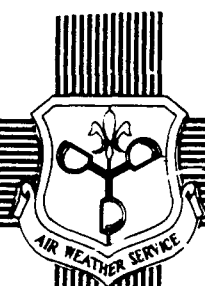


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USAFETAC/DS--92/268

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SURFACE OBSERVATION CLIMATIC SUMMARIES

for

MATHER AFB, CALIFORNIA

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723



FEBRUARY 1992

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REPORT DOCUMENTATION PAGE

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, MATHER AFB, CALIFORNIA, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

CONTENTS

INTRODUCTION.....	1
STATION PERIOD OF RECORD.....	1
DATA SOURCES.....	1
TERMS EXPLAINED.....	1
TIME CONVENTIONS.....	2
ABBREVIATIONS.....	2
SUMMARY DESCRIPTIONS.....	2
STATION HISTORY.....	3
PART A - ATMOSPHERIC PHENOMENA SUMMARIES.....	A-1-1
SPECIFIED PHENOMENA	
PERCENT OCCURRENCE FREQUENCY (FROM HOURLY OBS).....	A-2-1
PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	A-3-1
PERCENT OCCURRENCE FREQUENCY (THUNDERSTORMS).....	A-4-1
VERSUS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.....	A-5-1
PART B - PRECIPITATION, SNOWFALL, AND SNOW DEPTH.....	B-1-1
PRECIPITATION	
PERCENT OCCURRENCE FREQUENCY.....	B-2-1
MONTHLY TOTALS.....	B-2-2
DAILY EXTREMES.....	B-2-3
SNOWFALL	
PERCENT OCCURRENCE FREQUENCY.....	B-3-1
MONTHLY TOTALS.....	B-3-2
DAILY EXTREMES.....	B-3-3
SNOW DEPTH	
PERCENT OCCURRENCE FREQUENCY.....	B-4-1
DAILY EXTREMES.....	B-4-2
SNOWFALL/SNOW DEPTH	
FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR.....	B-5-1
PART C - SURFACE WIND	
PEAK WINDS (FROM SOD DATA).....	C-2-1
PEAK WINDS--PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	C-3-1
WIND DIRECTION VS WIND SPEED--POF (FROM HOURLY OBS).....	C-4-1
PART D - CEILING, VISIBILITY AND SKY COVER	
CEILING VS VISIBILITY--POF (FROM HOURLY OBS).....	D-2-1
SKY COVER--POF (FROM HOURLY OBS).....	D-3-1

PART E - TEMPERATURE AND RELATIVE HUMIDITY.....	E-1-1
TEMPERATURES--CUMULATIVE POF (FROM SOD DATA)	
MAXIMA.....	E-2-1
MINIMA.....	E-2-2
MEAN.....	E-2-3
MONTHLY TEMPERATURES (FROM SOD DATA)	
MAXIMA.....	E-3-1
MINIMA.....	E-3-2
MEAN.....	E-4-1
DRY BULB, WET BULB, DEW POINT TEMPERATURES (FROM HOURLY OBS)	
DRY BULB.....	E-5-1
WET BULB.....	E-5-2
DEW POINT.....	E-5-3
RELATIVE HUMIDITY (FROM HOURLY OBS)	
CUMULATIVE PERCENT OCCURRENCE FREQUENCY.....	E-6-1
PART F - PRESSURE (FROM HOURLY OBS).....	F-1-1
SEA LEVEL PRESSURE.....	F-2-1
ALTIMETER SETTING.....	F-3-1
STATION PRESSURE.....	F-4-1
PART G - CROSSWIND SUMMARIES (FROM HOURLY OBS).....	G-1-1
PERCENT OCCURRENCE FREQUENCY.....	G-2-1
PART H - DEGREE DAY SUMMARIES (FROM HOURLY OBS).....	H-1-1
HEATING DEGREE DAYS.....	H-2-1
COOLING DEGREE DAYS.....	H-3-1

*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY DATA: AUG 81 - JUL 91 (AIRWAYS).

SUMMARY OF DAY DATA: SEP 41 - JUL 91 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (Ft)	CALL SIGN	WMO NMBR
724835	MATHER AFB/SACRAMENTO, CA	N 38 34	W 121 18	96	MHR	

STATION LOCATION AND INSTRUMENTATION HISTORY									
Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Mather Field, CA	AAF	Sep 41	May 48	N 38 25	W 121 20	89	92	24
2	Mather AFB/Sacramento, CA	AFB	Jun 48	Apr 53	N 38 33	W 121 18	Same	same	24
3	Same	Same	Apr 53	May 62	N 38 34	Same	92	101	24
4	Same	Same	May 62	Apr 63	Same	Same	106	92	24
5	Same	Same	Apr 63	Apr 65	Same	Same	96	Same	24
6	Same	Same	Apr 65	Feb 76	Same	Same	Same	131	24
7	Same	Same	Feb 76	Jan 89	Same	Same	Same	92	24

Nbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Sep 41	Not available	Anemometer	N/A	N/A	
2	Apr 53	Atop control tower	Selsyn	ML-144	72 ft	
3	Jan 55	Same	Same	ML-144D	90 ft	
4	Apr 56	Same	Same	Same	97 ft	
5	Jul 60	Just S of TD area of rwy 22L	AN/GMQ-11	RO-2	14 ft	
6	Apr 66	1.600'S ctr,1800'fm end rwy 22L	Same	Same	13 ft	
		2.600'S ctr,750'fm end rwy 04R	Same		13 ft	
7	Oct 78	1.Same	AN/GMQ-20	RO-362	Same	
		2.600'SE ctr,1800'fm end rwy 04R	Same		Same	
8	Jan 89	1.Same	Same	Same	13 ft	
		2.Same	Same		13 ft	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	AAAAAAAA
PP	AAAAAAAA	RR RR	TT	AAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		9.1				9.1	48.5	4.0			61.6	930
03-05		11.4				11.4	52.8	3.3			67.5	930
06-08		13.2				13.2	59.9	2.4			75.5	930
09-11		9.5				9.5	52.6	12.5			74.5	930
12-14	.1	7.2				7.2	30.5	22.7			60.4	930
15-17	.5	7.7				7.7	24.6	22.9			55.3	930
18-20		6.3				6.3	32.5	12.7			51.5	930
21-23		7.4				7.4	40.1	6.3			53.9	930
ALL HOURS	.1	9.0				9.0	42.7	10.8			62.5	7440

MONTH: FEB

00-02	.1	9.8				9.8	14.5	2.6			27.0	846
03-05		9.5				9.5	18.0	2.0			29.4	846
06-08		8.4		.4		8.7	24.1	3.0			35.8	846
09-11	.1	9.6		.2		9.8	14.7	11.5			35.9	846
12-14		9.6		.1		9.7	5.7	14.1			29.4	846
15-17	.2	10.0				10.0	3.2	12.6			25.9	846
18-20	.1	8.7				8.7	6.7	8.0			23.5	846
21-23	.1	9.9				9.9	11.3	3.0			24.2	846
ALL HOURS	.1	9.4		.1		9.5	12.3	7.1			28.9	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		13.2				13.2	4.5	.3			18.1	930
03-05		15.5				15.5	7.7	.5			23.8	930
06-08		15.1				15.1	15.1	1.5			31.6	930
09-11		11.2		.1		11.3	7.6	2.8			21.7	930
12-14	.5	11.8				11.8	1.9	1.9			15.7	930
15-17	.9	12.4				12.4	2.2	2.2		.1	16.8	930
18-20	.3	11.8				11.8	3.4	1.1		.1	16.5	930
21-23	.1	10.3				10.3	3.2				13.5	930
ALL HOURS	.2	12.7		.0		12.7	5.7	1.3		.0	19.7	7440

MONTH: APR

00-02		4.8				4.8	1.2				6.0	900
03-05		6.0				6.0	2.3				8.3	900
06-08		5.0				5.0	6.3	.7			12.0	900
09-11		4.2				4.2	1.3	1.6			7.1	900
12-14	.3	4.7				4.7	.7	.4			5.8	900
15-17	.4	5.0				5.0	.3	.1			5.4	900
18-20	.1	4.3				4.3	.9				5.2	900
21-23		4.1				4.1	.4				4.6	900
ALL HOURS	.1	4.8				4.8	1.7	.3			6.8	7200

A - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		2.3				2.3	.3				2.6	930
03-05		2.3				2.3	1.1	.1			3.4	930
06-08		2.4				2.4	1.5	1.7			5.6	930
09-11		2.6				2.6	.3	.4			3.3	930
12-14		2.0				2.0	.1	.6			2.8	930
15-17	.1	2.0				2.0		.3			2.4	930
18-20	.1	2.6				2.6	.3	.3			3.2	930
21-23		2.3				2.3		.1			2.4	930
ALL HOURS	.0	2.3				2.3	.5	.5			3.2	7440

MONTH: JUN

00-02	.7	1.0				1.0					1.0	900
03-05	.6	1.4				1.4	1.3	.6			3.3	900
06-08	.3	1.2				1.2	1.1	1.0			3.3	900
09-11	.2	1.0				1.0					1.0	900
12-14		.2				.2	.1				.3	900
15-17	.2	1.0				1.0					1.0	900
18-20	.1	.9				.9					.9	900
21-23	.2	.8				.8					.8	900
ALL HOURS	.3	.9				.9	.3	.2			1.5	7200

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	.1				.1					.1	930
03-05	.1						.1	.1			.2	930
06-08		.2				.2	.1	1.2			1.5	930
09-11		.1				.1					.1	930
12-14												930
15-17	.2	.2				.2		.2		.2	.6	928
18-20	.2	.1				.1				.3	.4	927
21-23		.1				.1					.1	927
ALL HOURS	.1	.1				.1	.0	.2		.1	.4	7432

MONTH: AUG

00-02	.3	.4				.4					.4	930
03-05	.2	.3				.3	.3	.2			.9	930
06-08	.4	.3				.3	1.8	1.7			3.9	930
09-11							.1				.1	930
12-14		.4				.4		.1			.5	930
15-17	.4	.8				.8		.2			1.0	930
18-20		.3				.3		.1			.4	930
21-23	.2	.2				.2					.2	930
ALL HOURS	.2	.3				.3	.3	.3			.9	7440

A - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL ORST TO VSN	TOTAL NO. OF OBS
00-02		1.7				1.7	.4	.4			2.6	900
03-05	.1	1.7				1.7	1.4	1.1			4.2	900
06-08	.2	2.7			.1	2.8	6.7	5.8			15.2	900
09-11	.3	2.1				2.1	1.4	5.2		.1	8.9	900
12-14	.3	1.8				1.8	.8	5.1		.4	8.1	900
15-17		1.6				1.6	.4	3.9		.6	6.4	900
18-20	.1	2.2				2.2	.4	2.4		.2	5.3	900
21-23	.2	2.4				2.4	.7	.9			4.0	900
ALL HOURS	.2	2.0			.0	2.0	1.5	3.1		.2	6.8	7200

MONTH: OCT

00-02	.2	3.9				3.9	3.8	.8			8.4	930
03-05	.2	4.0				4.0	8.1	.3			12.4	930
06-08		2.7				2.7	17.3	4.9			24.9	930
09-11	.1	2.7				2.7	5.4	7.7			15.8	930
12-14	.1	3.2				3.2	1.4	6.2			10.9	930
15-17	.3	3.2				3.2	.9	5.6			9.7	930
18-20	.4	3.5				3.5	2.4	2.0			8.0	930
21-23		3.3				3.3	2.6	1.0			6.9	930
ALL HOURS	.2	3.3				3.3	5.2	3.6			12.1	7440

A - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	10.1				10.1	23.2	3.9			37.2	900
03-05		11.4				11.4	27.1	2.2			40.8	900
06-08		11.1		.1		11.2	37.7	2.8			51.7	900
09-11	.1	10.0				10.0	27.4	12.7			50.1	900
12-14		11.1				11.1	14.1	16.8			42.0	900
15-17		10.4				10.4	12.2	14.7			37.3	900
18-20	.1	9.4				9.4	13.0	7.4			29.9	900
21-23		9.0				9.0	18.3	6.2			33.6	900
ALL HOURS	.0	10.3		.0		10.3	21.6	8.3			40.3	7200

MONTH: DEC

00-02		9.2		.2		9.5	50.2	4.4			64.1	930
03-05		10.5				10.5	54.5	3.0			68.1	930
06-08		12.0		.1		12.2	58.0	2.9			73.0	930
09-11		11.6		.2		11.8	53.8	10.5			76.1	930
12-14	.1	9.7		.1		9.8	34.5	21.8			66.1	930
15-17		9.7				9.7	31.4	20.2			61.3	930
18-20		9.9				9.9	41.2	11.8			62.9	930
21-23		9.1				9.1	49.1	7.1			65.4	930
ALL HOURS	.0	10.2		.1		10.3	46.6	10.2			67.1	7440

A - 2 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
HOURS: ALL

MONTH	TSDMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.1	9.0				9.0	42.7	10.8			62.5	7440
FEB	.1	9.4		.1		9.5	12.3	7.1			28.9	6768
MAR	.2	12.7		.0		12.7	5.7	1.3		.0	19.7	7440
APR	.1	4.8				4.8	1.7	.3			6.8	7200
MAY	.0	2.3				2.3	.5	.5			3.2	7440
JUN	.3	.9				.9	.3	.2			1.5	7200
JUL	.1	.1				.1	.0	.2		.1	.4	7432
AUG	.2	.3				.3	.3	.3			.9	7440
SEP	.2	2.0			.0	2.0	1.5	3.1		.2	6.8	7200
OCT	.2	3.3				3.3	5.2	3.6			12.1	7440
NOV	.0	10.3		.0		10.3	21.6	8.3			40.3	7200
DEC	.0	10.2		.1		10.3	46.6	10.2			67.1	7440
ANNUAL	.1	5.4		.0	.0	5.5	11.6	3.8		.0	20.9	87640

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	1.0	45.4	.1	.4	.4	45.5	65.0	43.2			83.7	1458
FEB	2.5	38.6		.2	.8	38.6	42.0	35.1			69.8	1303
MAR	3.2	36.3		.4	1.2	36.4	23.0	14.1			50.4	1428
APR	2.6	23.6		.1	1.2	23.6	11.7	8.3			34.1	1371
MAY	1.6	14.0			.1	14.0	5.0	6.3			20.9	1418
JUN	1.7	7.8				7.8	2.4	4.1		.1	12.6	1393
JUL	.9	3.3			.1	3.3	.8	5.0			8.3	1427
AUG	.8	4.7				4.7	2.9	9.3			14.0	1395
SEP	2.0	9.0			.1	9.0	7.5	16.4		.1	25.9	1351
OCT	1.8	16.5		.1	.1	16.5	22.0	30.9			48.6	1422
NOV	1.4	34.2		.1	.2	34.2	50.9	49.1			77.7	1390
DEC	.8	42.2	.1	1.0	.2	42.5	64.8	48.7		.1	86.4	1444
ANNUAL	1.7	23.0	.0	.2	.4	23.1	25.0	22.6		.0	44.5	16800

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02		.1				.7	.1	.3		.2	.1	
03-05						.6	.1	.2	.1	.2		
06-08						.3		.4	.2			
09-11		.1				.2			.3	.1	.1	
12-14	.1		.5	.3					.3	.1		.1
15-17	.5	.2	.9	.4	.1	.2	.2	.4		.3		
18-20		.1	.3	.1	.1	.1	.2		.1	.4	.1	
21-23		.1	.1			.2		.2	.2			
ALL HOURS	.1	.1	.2	.1	.0	.3	.1	.2	.2	.2	.0	.0
TOTAL OBS	7440	6768	7440	7200	7440	7200	7432	7440	7200	7440	7200	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 080	081 - 170	171 - 270	NO OF OBS
TSIMS			16.7		66.7	16.7	6
LIQUID PRECIP	14.4		14.5	8.6	47.7	14.8	675
FREEZING PRECIP							
FROZEN PRECIP							
FOG	41.8		13.5	8.0	26.7	10.0	3155
FOG WITH VIS GE 1/2 MILES	40.3		14.0	8.2	27.3	10.1	2635
TOTAL OBS	2477	0	1349	593	2167	854	0 7440

MONTH: FEB HOURS: ALL							
TSIMS	16.7				50.0	33.3	6
LIQUID PRECIP	5.7		5.6	3.5	68.5	16.7	648
FREEZING PRECIP							
FROZEN PRECIP					100.0		6
FOG	39.5		12.8	8.1	29.4	10.2	798
FOG WITH VIS GE 1/2 MILES	36.6		13.8	8.0	31.5	10.2	689
TOTAL OBS	1874	0	1347	461	2143	943	0 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 080	081 - 170	171 - 270	NO OF OBS
TSIMS	5.9		17.6	11.8	23.5	41.2	17
LIQUID PRECIP	8.3		4.4	5.0	58.5	23.8	944
FREEZING PRECIP							
FROZEN PRECIP					100.0		1
FOG	23.8		5.4	3.5	47.3	20.0	425
FOG WITH VIS GE 1/2 MILES	23.3		5.8	3.8	48.0	19.3	400
TOTAL OBS	1380	0	1238	321	2717	1784	0 7440

MONTH: APR HOURS: ALL

TSIMS			25.0	12.5	25.0	37.5	8
LIQUID PRECIP	5.3		.6	5.3	61.6	27.3	341
FREEZING PRECIP							
FROZEN PRECIP							
FOG	11.4		2.4	3.3	65.9	17.1	123
FOG WITH VIS GE 1/2 MILES	10.9		2.5	3.4	65.5	17.6	119
TOTAL OBS	1097	0	1309	321	2310	2163	0 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 080	081 - 170	171 - 270	NO OF OBS
TSTMS						100.0	2
LIQUID PRECIP	12.3		2.9	.6	47.4	36.8	171
FREEZING PRECIP							
FROZEN PRECIP							
FOG	20.6				50.0	29.4	34
FOG WITH VIS GE 1/2 MILES	20.6				50.0	29.4	34
TOTAL OBS	741	0	1420	178	2178	2923	7440

MONTH: JUN HOURS: ALL

TSTMS					57.1	42.9	21
LIQUID PRECIP	21.0		6.5	1.6	32.3	38.7	62
FREEZING PRECIP							
FROZEN PRECIP							
FOG	9.5		4.8		47.6	38.1	21
FOG WITH VIS GE 1/2 MILES	9.5		4.8		47.6	38.1	21
TOTAL OBS	638	0	1066	86	2029	3381	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 080	081 - 170	171 - 270	NO OF OBS
TSMS					33.3	66.7	6
LIQUID PRECIP	20.0					80.0	5
FREEZING PRECIP							
FROZEN PRECIP							
FOG					100.0		2
FOG WITH VIS GE 1/2 MILES					100.0		2
TOTAL OBS	522	0	760	40	2354	3756	7432

MONTH: AUG HOURS: ALL

TSMS	40.0		6.7		13.3	40.0	15
LIQUID PRECIP			9.1	13.6	31.8	45.5	22
FREEZING PRECIP							
FROZEN PRECIP							
FOG					6.3	35.7	14
FOG WITH VIS GE 1/2 MILES					69.2	30.8	13
TOTAL OBS	507	0	768	35	2583	3547	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 080	081 - 170	171 - 270	NO OF OBS
TSIMS			8.3	16.7	25.0	50.0	12
LIQUID PRECIP	9.3		6.4	11.4	33.6	39.3	140
FREEZING PRECIP							
FROZEN PRECIP							
FOG	25.2		4.5	3.6	42.3	24.3	111
FOG WITH VIS GE 1/2 MILES	25.2		4.5	3.6	42.3	24.3	111
TOTAL OBS	1223	0	1353	169	2229	2226	0 7200

MONTH: OCT HOURS: ALL

TSIMS			7.7	7.7	30.8	53.8	13
LIQUID PRECIP	12.4		5.4	7.0	47.9	27.3	242
FREEZING PRECIP							
FROZEN PRECIP							
FOG	27.5		10.8	4.5	42.9	14.3	378
FOG WITH VIS GE 1/2 MILES	26.5		9.2	4.7	44.6	15.0	359
TOTAL OBS	2050	0	1544	281	2188	1377	0 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 080	081 - 170	171 - 270	NO OF OBS
TSTMS					66.7	33.3	3
LIQUID PRECIP	7.9		9.5	6.5	60.2	15.9	757
FREEZING PRECIP							
FROZEN PRECIP			100.0				1
FOG	39.9		12.8	6.7	33.4	7.3	1544
FOG WITH VIS GE 1/2 MILES	36.6		13.3	6.9	35.5	7.7	1409
TOTAL OBS	2533	0	1232	386	2133	916	7200

MONTH: DEC HOURS: ALL

TSTMS					100.0		1
LIQUID PRECIP	14.3		12.2	6.8	57.5	9.3	778
FREEZING PRECIP							
FROZEN PRECIP				16.7	66.7	16.7	6
FOG	43.3		14.8	6.4	25.5	10.1	3442
FOG WITH VIS GE 1/2 MILES	40.5		15.8	6.9	26.6	10.2	2836
TOTAL OBS	2691	0	1414	458	2179	698	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	271 - 360	001 - 080	081 - 170	171 - 270	NO OF OBS
TSMs	7.3		8.2	5.5	35.5	43.6	110
LIQUID PRECIP	10.0		7.9	6.0	56.5	19.6	4785
FREEZING PRECIP							
FROZEN PRECIP			7.1	7.1	78.6	7.1	14
FOG	39.8		13.0	6.8	29.8	10.6	10047
FOG WITH VIS GE 1/2 MILES	37.3		13.5	7.0	31.4	10.8	8628
TOTAL OBS	17733	0	14800	3329	27210	24568	0 87640

A - 5 - 7

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPPPP	AAAAAAAA	RRRRRRRRRR	TTTTTTTTTTT	BBBBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BE
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPPPP	AA AA	RRRRRRRRRR	TT	BBBBBBBBBBBB
PPPPPPPPPP	AAAAAAAAAA	RRRRRRRRRR	TT	BBBBBBBBBBBB
PP	AAAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

B - 1 - 1

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	55.0	61.5	63.9	75.2	85.5	92.3	96.8	95.7	91.5	83.5	66.5	56.8	77.1
TRACE	14.1	9.7	7.2	6.7	5.2	4.1	2.5	2.8	3.8	4.9	9.0	13.5	6.9
.01	3.1	2.2	1.8	1.1	1.2	.5	.2	.3	.7	.6	2.0	2.5	1.3
.02-.05	5.4	3.5	3.8	3.1	2.7	.9	.2	.4	.9	2.8	4.3	4.7	2.7
.06-.10	3.2	3.1	4.1	2.4	1.1	.5	.1	.2	.9	1.4	2.2	4.3	2.0
.11-.25	4.8	6.8	6.0	4.4	2.3	1.0		.4	.6	2.4	5.0	6.5	3.3
.26-.50	6.3	5.7	6.9	4.3	1.2	.5	.1	.1	1.0	2.2	5.1	5.1	3.2
.51-1.00	5.7	5.6	4.5	2.0	.7	.1	.1	.2	.5	1.5	3.8	4.9	2.5
1.01-2.50	2.3	1.7	1.7	.7	.1		.1		.1	.5	2.1	1.7	.9
2.51-5.00	.1	.1		.1						.1	.1		.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	31.0	28.8	28.9	18.2	9.3	3.6	.8	1.5	4.7	11.5	24.5	29.7	16.0
TOTAL NO. OF OBSERVATIONS	1550	1384	1519	1470	1528	1500	1550	1519	1500	1550	1500	1550	18120

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41									.00	.56	1.19	4.16	5.91*
42	4.26	1.99	2.41	4.31	.66	.00	.00	.00	.07	.20	1.65	1.94	17.49
43	3.36	1.09	5.47	1.54	.11	.20	TRACE	.00	.00	.89	.56	2.35	15.57
44	2.32	6.73	.60	1.48	.79	.04	.00	.00	.00	1.69	2.48	1.62	17.75
45	1.14	2.22	2.28	.15	.42	.34	TRACE	TRACE	.00	1.58	1.89	4.80	14.82
46	.47				.53*	.00	TRACE	.00	.27	.50	2.13	1.57	5.47*
47	.35	2.14	3.87	.15	.16	.20	.00	.00	TRACE	2.32	2.32	.67	12.18
48	.81	1.74	2.79	1.89	2.06	TRACE	.00	.00	TRACE	.67	.90	3.90	14.76
49	1.54	1.31	5.04	TRACE	.23	.00	TRACE	TRACE	TRACE	.08	.67	1.19	10.06
50	3.09	1.91	1.79	1.17	.41	TRACE	TRACE	TRACE	.82	2.92	4.57	5.87	22.55
51	2.84	1.78	.98	.85	1.08	.00	.00	.00	TRACE	1.12	2.49	4.09	15.23
52	7.04	1.49	3.20	1.37	TRACE	.35	TRACE	.00	.03	TRACE	2.53	6.87	22.88
53	3.23	.73	1.58	3.05	.86	.65	.00	.07	.06	.39	2.24	1.12	13.98
54	2.61	2.05	3.81	1.71	.23	TRACE	.00	.26	.00	.04	2.72	5.65	19.08
55	2.78	1.64	.14	2.18	.36	TRACE	.00	.00	.29	.61	1.17	7.31	16.48
56	6.73	2.21	.05	1.30	1.38	TRACE	TRACE	.00	.63	1.08	.02	.25	13.65
57	1.90	3.40	2.83	1.30	1.90	TRACE	.00	.00	.68	1.00	.36	3.07	16.44
58	4.00	6.22	5.89	3.74	.73	.53	TRACE	TRACE	.18	.18	.18	.68	22.33
59	6.08	4.34	.93	4.40	TRACE	.00	TRACE	.01	2.11	.00	TRACE	1.22	19.09
60	4.09	3.71	1.57	.88	.42	.00	TRACE	.00	.08	TRACE	3.86	1.18	15.79
61	3.20	.81	3.71	.94	.55	TRACE	TRACE	TRACE	.13	.12	3.25	1.43	14.14
62	1.19	9.00	2.50	.53	.74	TRACE	.01	.11	.01	8.66	.31	1.97	25.03
63	3.96	2.40	4.57	4.74	1.24	TRACE	.00	TRACE	.26	1.82	5.91	.38	25.28
64	4.80	.68	1.45	.28	.48	.63	TRACE	.18	.00	1.60	3.72	7.96	21.78
65	3.47	.71	1.84	3.54	.01	TRACE	TRACE	.57	TRACE	.31	2.73	3.90	17.08
66	1.69	1.56	.28	.40	.27	.02	.06	.01	.02	.00	6.26	2.55	13.12
67	6.58	.58	3.24	3.90	.23	.62	.56	TRACE	TRACE	.21	1.51	1.03	18.46
68	3.43	2.40	2.00	.36	.80	.15	TRACE	.14	TRACE	.60	3.49	3.21	16.58
69	11.57	8.39	1.18	1.56	.02	.80	.06	.00	TRACE	.72	1.13	4.06	29.49
70	8.12	1.64	2.07	.17	TRACE	.78	.00	.00	TRACE	1.14	7.79	4.11	25.82
71	1.05	.51	2.48	.68	1.38	.10	.00	TRACE	.01	.66	.93	5.09	12.89
72	.62	1.62	.78	2.36	.22	.17	.00	.00	.79	1.55	4.85	2.00	14.96
73	6.85	6.01	2.77	.41	.06	.00	.00	.00	.24	1.92	6.28	3.07	27.61
74	3.29	1.25	3.02	1.58	.00	.44	1.35	TRACE	.00	1.41	1.24	2.55	16.13
75	1.20	5.43	4.55	1.68	.02	.05	.04	1.01	.06	2.60	.34	.33	17.31

B - 2 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.36	1.64	.63	1.16	.00	.08	.00	.81	.89	.01	.76	.37	6.71
77	.89	.91	1.24	.39	.88	TRACE	TRACE	TRACE	.55	.51	1.71	4.59	11.67
78	9.53	3.60	4.77	3.26	.00	TRACE	.00	TRACE	.62	TRACE	4.93	.76	27.47
79	5.70	4.94	1.77	.97	.14	.00	.28	TRACE	.10	2.54	1.68	4.03	22.15
80	6.35	6.16	3.07	1.22	.31	.02	.66	TRACE	.00	.20	.42	1.60	20.01
81	4.58	.95	4.22	.99	.34	.00	TRACE	.00	.33	2.22	7.57	4.42	25.62
82	5.29	2.44	6.91	3.02	TRACE	.22	.00	TRACE	1.69	3.03	6.29	4.42	33.31
83	5.99	5.26	8.84	4.64	.19	.26	.00	.24	.94	.74	6.70	6.50	40.30
84	.34	1.59	1.55	.48	.02	.16	.02	.17	.09	1.98	4.89	1.29	12.58
85	.75	1.71	3.40	.18	TRACE	.08	TRACE	.03	.78	.67	4.35	2.81	14.76
86	4.87	9.88	4.16	1.63	.10	.00	TRACE	.00	.83	.20	.24	1.14	23.05
87	3.03	4.36	4.32	.24	.41	TRACE	.00	.00	.00	1.39	3.44	2.93	20.12
88	2.88	.48	.19	3.09	.56	.14	TRACE	TRACE	.00	.09	2.31	2.91	12.65
89	.92	1.48	7.42	.35	.09	.56	.00	.39	2.32	1.69	1.63	TRACE	16.85
90	3.86	2.73	1.15	.79	2.56	.00	TRACE	.00	.01	.58	.65	1.76	14.09
91	.41	4.63	8.53	.39	.56	.30	TRACE						14.82*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.34	.48	.05	TRACE	.00	.00	.00	.00	.00	.00	TRACE	TRACE	6.71
GREATEST	11.57	9.88	8.84	4.74	2.56	.80	1.35	1.01	2.32	8.66	7.79	7.96	40.30
MEAN	3.51	2.91	2.93	1.58	.49	.16	.06	.08	.32	1.10	2.62	2.85	18.69
MEDIAN	3.22	1.99	2.50	1.22	.31	.02	TRACE	TRACE	.06	.67	2.19	2.55	16.97
SD	2.567	2.334	2.119	1.356	.579	.232	.225	.207	.533	1.385	2.152	2.006	6.334
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1500	1550	1500	1550	18120

THE GREATEST VALUE OF 11.57 OCCURRED ON 01/69

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41									.00	.48	.53	.93	.93*
42	1.22	.40	1.18	.80	.30	.00	.00	.00	.07	.12	.50	.48	1.22
43	1.05	.32	1.92	.99	.11	.15	TRACE	.00	.00	.54	.26	.82	1.92
44	.61	1.83	.41	.47	.45	.04	.00	.00	.00	.94	.75	.50	1.83
45	.74	.77	.55	.15	.23	.34	TRACE	TRACE	.00	1.10	.66	.86	1.10
46	.40				.39*	.00	TRACE	.00	.27	.36	1.17	.36	1.17*
47	.26	1.26	1.31	.11	.10	.19	.00	.00	TRACE	.90	1.79	.42	1.79
48	.51	.65	.81	.32	1.05	TRACE	.00	.00	TRACE	.67	.34	1.00	1.05
49	1.27	.55	1.14	TRACE	.13	.00	TRACE	TRACE	TRACE	.08	.38	.29	1.27
50	.61	.96	.83	.52	.22	TRACE	TRACE	TRACE	.82	1.34	2.28	1.44	2.28
51	.59	.73	.40	.85	.88	.00	.00	.00	TRACE	.71	.97	1.19	1.19
52	1.26	.56	1.23	.69	TRACE	.16	TRACE	.00	.03	TRACE	1.07	1.60	1.60
53	.58	.66	.65	1.52	.32	.50	.00	.07	.06	.32	.73	1.09	1.52
54	.96	.88	1.12	1.12	.23	TRACE	.00	.24	.00	.02	.80	2.18	2.18
55	.59	.68	.10	.66	.29	TRACE	.00	.00	.29	.42	.44	1.33	1.33
56	1.55	.78	.04	.50	.83	TRACE	TRACE	.00	.63	.50	.02	.19	1.55
57	.97	.61	.78	.68	.83	TRACE	.00	.00	.31	.49	.28	1.03	1.03
58	.57	1.06	.90	1.62	.68	.33	TRACE	TRACE	.18	.18	.10	.44	1.62
59	1.87	.89	.32	4.34	TRACE	.00	TRACE	.01	1.87	.00	TRACE	.55	4.34
60	.94	.97	.55	.41	.38	.00	TRACE	.00	.08	TRACE	1.02	.67	1.02
61	.93	.31	1.05	.38	.37	TRACE	TRACE	TRACE	.13	.06	1.55	.69	1.55
62	1.05	2.98	.81	.43	.66	TRACE	.01	.09	.01	4.36	.28	.97	4.36
63	1.79	.87	1.88	1.41	.98	TRACE	.00	TRACE	.26	.82	1.44	.13	1.88
64	2.42	.29	.39	.28	.28	.35	TRACE	.18	.00	.96	.94	2.17	2.42
65	.66	.32	.80	.97	.01	TRACE	TRACE	.56	TRACE	.31	.66	1.16	1.16
66	.86	.35	.09	.20	.26	.02	.06	.01	.01	.00	1.25	.74	1.25
67	2.64	.58	.80	.85	.12	.33	.56	TRACE	TRACE	.11	.32	.38	2.64
68	1.57	.53	.41	.36	.76	.14	TRACE	.14	TRACE	.30	1.21	.65	1.57
69	2.16	1.56	.33	1.13	.02	.79	.06	.00	TRACE	.68	1.02	1.05	2.16
70	1.53	.56	.93	.12	TRACE	.65	.00	.00	TRACE	.42	2.61	.73	2.61
71	.42	.22	.75	.26	.54	.10	.00	TRACE	.01	.29	.31	1.16	1.16
72	.38	1.01	.56	.84	.19	.17	.00	.00	.39	.62	.91	.52	1.01
73	1.34	1.70	.83	.33	.03	.00	.00	.00	.11	1.09	1.08	.77	1.70
74	.56	.40	.67	.54	.00	.44	1.33	TRACE	.00	.68	.57	.75	1.33
75	.75	.97	1.01	.61	.02	.03	.04	.99	.06	.65	.12	.08	1.01

B - 2 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.35	.43	.55	.47	.00	.08	.00	.63	.82	.01	.38	.30	.82
77	.55	.33	.73	.33	.58	TRACE	TRACE	TRACE	.44	.34	1.08	1.04	1.08
78	2.13	.99	1.26	1.00	.00	TRACE	.00	TRACE	.28	TRACE	1.37	.45	2.13
79	1.26	1.11	.43	.56	.09	.00	.28	TRACE	.10	1.54	.86	1.09	1.54
80	1.26	1.18	.97	.57	.30	.02	.64	TRACE	.00	.12	.34	.80	1.26
81	1.40	.22	1.10	.83	.33	.00	TRACE	.00	.33	.95	2.35	1.55	2.35
82	2.60	1.37	1.96	1.37	TRACE	.18	.00	TRACE	.77	1.47	1.84	1.61	2.60
83	1.34	1.07	1.49	2.01	.19	.16	.00	.17	.66	.34	1.87	2.17	2.17
84	.14	.41	.67	.19	.02	.11	.02	.17	.09	.93	.82	.41	.93
85	.47	1.14	1.20	.16	TRACE	.05	TRACE	.02	.62	.56	1.57	1.05	1.57
86	1.28	2.63	1.30	1.12	.06	.00	TRACE	.00	.42	.18	.21	.46	2.63
87	.80	1.23	1.91	.23	.41	TRACE	.00	.00	.00	.81	1.20	.69	1.91
88	.91	.26	.18	2.09	.24	.13	TRACE	TRACE	.00	.07	.85	.61	2.09
89	.29	.59	1.01	.13	.09	.41	.00	.34	1.17	1.13	1.29	TRACE	1.29
90	1.06	1.35	.34	.39	1.41	.00	TRACE	.00	.01	.49	.43	.90	1.41
91	.31	1.62	1.32	.30	.27	.30	TRACE						1.62*
GREATEST	2.64	2.98	1.96	4.34	1.41	.79	1.33	.99	1.87	4.36	2.61	2.18	4.36
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1500	1550	1500	1550	18120

THE GREATEST VALUE OF 4.36 OCCURRED ON 10/13/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4605-9107
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	99.6	99.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9	98.9	99.8
TRACE	.4	.2	.5							.1	.1	.9	.2
0.1-0.4												.1	.0
0.5-1.4													
1.5-2.4												.1	.0
2.5-3.4													
3.5-4.4													
4.5-6.4													
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS												.1	.0
TOTAL NO. OF OBSERVATIONS	1426	1271	1395	1350	1404	1380	1426	1395	1350	1395	1350	1395	16537

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0				.0*	.0	.0	.0	.0	.0	.0	.0	.0*
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.8
73	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
84	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE	TRACE
91	.0	.0	TRACE	.0	.0	.0	.0						TRACE*
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.8	1.8
MEAN	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	TRACE
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.268	.271
TOTAL OBS	1426	1271	1395	1350	1404	1380	1426	1395	1350	1395	1350	1395	16537

THE GREATEST VALUE OF 1.8 OCCURRED ON 12/72

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0				.0*	.0	.0	.0	.0	.0	.0	.0	.0*
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5
73	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724R35

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
84	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE	TRACE
91	.0	.0	TRACE	.0	.0	.0	.0						TRACE*
GREATEST	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.5	1.5
TOTAL OBS	1426	1271	1395	1350	1404	1380	1426	1395	1350	1395	1350	1395	16537

THE GREATEST VALUE OF 1.5 OCCURRED ON 12/06/72

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
TRACE												.1	.0
1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	1550	1384	1519	1470	1528	1500	1550	1519	1500	1550	1500	1550	18120

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41									0	0	0	0	0*
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0				0*	0	0	0	0	0	0	0	0*
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0						0*
.....													
GREATEST	0	0	0	0	0*	0	0	0	0	0	0	TRACE	TRACE*
.....													
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1500	1550	1500	1550	18120

THE GREATEST VALUE OF TRACE OCCURRED ON 12/12/72

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4612-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
46	N *38											NNW 22	N *38
47	N 36	SSE 43	SSE 41	W 31	NNW 37	NNW 45	SSW 30	SSW 26	SSW 30	SSW 37	NNW 33	NNW 41	NNW 45
48	S 34	NNW 43	S 41	SSE 51	SE 35	NNW 31	SW 28	SW 24	SW 29	NNW 25	N 34	S 43	SSE 51
49	NNW 53	SSE 49	SSE 45	SW 22	SW 35	NNW 30	SSW 23	SW 27	SW 29	NW 33	S 47	SSE 48	NNW 53
50	SSE 57	SSE 47	SW 33	NW 31	SSE 31	NNW 33	S 27	S 26	S 21	S 63	SSE 52	SSW 53	S 63
51	SSE 56	SE 31	SE 38	SW 29	NNW 31	NNW 31	SSW 28	SW 27	N 23	W 28	S 37	SSW 56	SSE 56
52	SSE 59	S 37	S 62	NNW 35	SSW 36	SSW 35	WSW 31	SW 24	SW 30	SW 19	SSE 56	SSE 64	SSE 64
53	S 51	NNE 40	SSE 51	S 40	WSW 32	W 28	W 21	WSW 24	WSW 25	NNE 47	SSE 55	NNW 37	SSE 55
54	SSE 61	S 59	SSW 41	SSE 30	WSW 30	WSW*31	SW 24	SW 24	SW 29	NNW 38	SSE 42	SSE 41	SSE*61
55	SSE 50	S 42	NNE 32	SE 43	NNE 43	SW 27	SSW 28	SW 23	WNW 33	NNW 27	SE 46	SE 55	SE 55
56	SE 59	SSE 51	KYW 42	SSE 37	N 33	SSW 30	WSW 30	WSW 22	SW 19	SSE 33	NNE 35	N 30	SE 59
57	SE 43	SE 60	S 28	N 37	S 34	SSW 30	SW 24	SSW 23	SSE 24	SSE 40	NNW 44	SSE 35	SE 60
58	SE 45	SE 55	SE 50	SE 53	SSW 24	S 23	SW 25	SW 17	S 35	NW 26	N 32	SE 30	SE 55
59	SE 56	SE 58	NNW 36	SSE 28	S 27	SSW 23	SSW 19	SSW 23	SSE 50	N 49	NNW 26	N 31	SE 58
60	SSE 39	SE 59	NW 39	SSE*37	NNW*35	NNW 30	W 20	S 26	WSW 30	N 36	SSE 42	S 49	SE *59
61	SSE 31	NNW 33	WNW 45	WSW 32	NW 29	SW 24	SW 25	SW 21	NNW 34	NNW 35	SSE*36	SSE*30	WNW*45
62	SSE 50	S 44	S 51	NNW 26	WSW 28	WNW 25	WSW 21	SW 22	SSW 19	SSE*43	NNW 25	SE 31	S *51
63	SSE 43	NNW 27	SSE*38	SSE 28	SSW 30	NW 27	SW 20	SW 18	SSW 22	SW 22	WSW 42	SE 18	SSE*43
64	SSE 48	NNW 32	SSE*41	SSW*38	SW *30	WSW*26	WNW 26	SSW*26	NW 36	SW 22	SE *42	S *45	SSE*48
65	S *48	NW *36	NNW 28	SSE 36	NNW 40	SW 26	S 27	SSE 22	NW 41	NW 30	ESE 44	SE 46	S *48
66	ESE 31	WNW 36	WSW 23	S 31	SW 31	SSW*30	SSW 33	SW 26	NNW 28	NW 36	SE 48	SSE 46	SE *48
67	SE 52	SW 24	SSE 42	SSE 28	N 27	SSE 30	SW 16	SSW 15	SW 30	NNW 32	SE 35	SSE 42	SE 52
68	SSE 39	SSE 27	SW 35	NW 31	SW 24	N 35	23/ 23	24/ 32	36/ 25	18/ 25	15/ 38	16/ 37	SSE 39
69	16/ 47	15/ 62	34/ 27	23/ 29	33/ 24	05/ 31	30/ 20	20/ 17	22/ 21	33/ 36	16/ 28	15/ 36	15/ 62
70	13/ 42	16/ 32	34/ 43	18/ 29	31/ 27	35/ 36	26/ 20	28/ 21	34/ 40	34/ 32	16/ 50	16/ 40	16/ 50
71	36/ 34	34/ 31	34/ 39	22/ 29	31/ 33	23/ 22	23/ 28	21/ 20	21/ 27	33/ 32	16/ 35	16/ 48	16/ 48
72	16/ 50	22/ 22	24/ 31	35/ 40	26/ 19	26/ 25	22/ 19	22/ 21	33/ 22	28/ 37	14/ 39	16/ 38	16/ 50
73	16/ 45	15/ 34	16/ 34	34/ 26	33/ 28	23/ 22	23/ 20	19/ 18	23/ 22	17/ 34	22/ 54	15/ 28	22/ 54
74	14/ 28	16/ 40	16/ 34	15/ 34	22/ 21	34/ 35	23/ 19	32/ 23	33/ 23	17/ 30	17/ 27	15/ 45	15/ 45
75	16/ 56	15/ 54	16/ 46	35/ 29	33/ 41	21/ 27	19/ 24	21/ 25	09/ 29	16/ 29	16/ 28	34/ 29	16/ 56
76	36/ 29	23/ 37	15/ 48	33/ 36	23/ 27	34/ 32	22/ 26	23/ 26	21/ 30	33/ 30	33/ 26	35/ 32	15/ 48
77	15/ 37	20/ 26	35/ 36	33/ 34	24/ 22	34/ 21	22/ 18	34/ 25	21/ 21	18/ 26	17/ 44	16/ 42	17/ 44
78	16/ 56	15/ 60	17/ 35	34/ 28	35/ 43	32/ 24	22/ 22	21/ 23	33/ 31	34/ 32	15/ 23	22/ 34	15/ 60
79	15/ 38	14/ 40	15/ 45	26/ 30	23/ 28	32/ 38	32/ 24	24/ 23	24/ 20	22/ 28	15/ 30	35/ 47	35/ 47
80	16/ 48	15/ 50	33/ 45	23/ 37	01/ 32	24/ 28	26/ 24	24/ 24	21/ 23	34/ 26	34/ 29	15/ 45	15/ 50

C - 2 - 1A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4612-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
81	18/ 48	35/ 41	15/ 29	33/ 25	24/ 31	21/ 31	23/ 26	20/ 20	33/ 25	15/ 31	14/ 52	16/ 39	14/ 52
82	16/ 46	34/ 31	17/ 45	15/ 37	36/ 21	22/ 24	23/ 20	24/ 19	34/ 31	35/ 26	12/ 48	16/ 37	12/ 48
83	16/ 45	16/ 44	20/ 40	34/ 30	31/ 28	21/ 28	25/ 21	23/ 18	17/ 26	23/ 18	16/ 33	18/ 44	16/ 45
84	35/ 34	12/ 26	32/ 34	34/ 32	32/ 25	33/ 27	21/ 22	24/ 23	31/ 24	15/ 43	15/ 44	31/ 34	15/ 44
85	35/ 29	07/ 38	15/ 43	35/ 32	23/ 26	34/ 21	18/ 23	22/ 21	24/ 24	35/ 23	16/ 32	15/ 46	15/ 46
86	26/ 28	16/ 49	15/ 46	34/ 28	23/ 26	34/ 23	23/ 22	21/ 18	17/ 34	33/ 33	33/ 30	14/ 20	16/ 49
87	35/ 37	16/ 41	15/ 33	33/ 31	22/ 22	16/ 25	22/ 26	21/ 24	21/ 20	21/ 16	34/ 35	16/ 45	16/ 45
88	16/ 34	17/ 37	33/ 44	23/ 24	30/ 23	21/ 25	20/ 21	23/ 19	32/ 27	22/ 17	14/ 40	15/ 47	15/ 47
89	32/ 31	22/ 30	15/ 33	23/ 24	20/ 23	34/ 23	29/ 19	20/ 24	22/ 24	16/ 30	15/ 32	32/ 28	15/ 33
90	34/ 33	16/ 46	23/ 23	03/ 33	23/ 26	35/ 23	23/ 19	23/ 21	34/ 26	36/ 24	29/ 32	35/ 31	16/ 46
91	03/ 31	16/ 31	17/ 52	34/ 29	23/ 32	22/ 22	21/ 24						17/*52
GREATEST	SSE 61	15/ 62	S 62	SE 53	NNE 43	NNW 45	SSW 33	24/ 32	SSE 50	S 63	SSE 56	SSE 64	SSE 64
TOTAL OBS	1388	1262	1381	1308	1353	1329	1390	1354	1311	1349	1299	1372	16096

THE PEAK WIND OF 64 FROM SSE OCCURRED ON 12/07/52

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

C - 2 - 1B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4601-4601,4612-9107
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	.4	28.9	30.0	13.3	8.4	6.9	5.0	3.0	3.0	1.0	.0	16.1	12.0	1388
FEB	.2	22.2	32.0	16.5	9.3	6.4	5.9	3.4	2.9	1.1	.0	16.9	13.0	1262
MAR	.2	11.0	32.7	21.6	14.6	8.8	5.9	2.4	2.5	.4	.0	17.9	16.0	1381
APR	.0	7.5	34.3	27.9	17.9	7.4	3.1	1.4	.3	.3	.0	17.0	16.0	1308
MAY	.1	2.1	29.1	39.3	20.7	6.4	1.6	.4	.3	.0	.0	17.3	16.0	1353
JUN	.0	1.1	27.7	46.3	18.4	4.6	1.4	.5	.1	.0	.0	17.2	17.0	1329
JUL	.0	2.0	42.7	42.2	11.4	1.3	.3	.0	.0	.0	.0	15.4	15.0	1390
AUG	.0	3.0	49.8	37.2	9.0	1.0	.1	.0	.0	.0	.0	14.8	14.0	1354
SEP	.0	9.3	49.1	30.3	8.0	1.9	.9	.2	.2	.1	.0	14.3	13.0	1311
OCT	.1	25.6	40.5	18.1	8.7	3.4	1.9	1.0	.5	.1	.0	13.8	12.0	1349
NOV	.5	30.5	35.7	12.0	7.7	6.6	3.7	1.5	1.3	.5	.0	14.4	11.0	1299
DEC	.8	32.8	29.3	12.5	8.7	5.8	4.7	2.0	2.7	.6	.0	15.1	12.0	1372
ANNUAL	.2	14.6	36.1	26.5	11.9	5.0	2.9	1.3	1.1	.3	.0	15.9	14.0	16096

C - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	2.2	1.2	.2								7.3	5.8	4.0
020-040	3.0	.5										3.5	3.0	2.0
050-070	4.6	.2										4.8	2.3	2.0
(E) 080-100	3.3	.9										4.2	3.3	3.0
110-130	11.1	4.1	.1									15.3	3.7	4.0
140-160	5.6	5.7	2.2	.4	.4	.1						14.4	6.9	5.0
(S) 170-190	2.4	1.4	.4	.1								4.3	4.9	4.0
200-220	1.1	.6	.1									1.8	4.4	4.0
230-250	.4	.3										.8	4.6	4.0
(W) 260-280	.6	.1										.8	3.0	2.0
290-310	.2	.1										.3	5.3	4.0
320-340	1.4	2.7	.6	.2								4.9	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											37.5	////////	
TOTALS	37.5	18.8	4.6	.9	.4	.1						100.0	3.0	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	2.0	.9	.4								6.9	5.8	4.0
020-040	3.3	.3	.1									3.8	2.8	2.0
050-070	3.8	.1										3.9	2.4	2.0
(E) 080-100	2.9	.8										3.7	3.1	3.0
110-130	7.4	2.3	.3	.1								10.1	4.0	3.5
140-160	4.3	4.0	2.7	.1	.4	.1						11.6	7.2	6.0
(S) 170-190	2.3	1.4	1.0									4.6	5.7	5.0
200-220	1.7	.3	.1		.1							2.3	4.3	3.0
230-250	1.2	.3										1.5	3.1	3.0
(W) 260-280	.6	.2										.9	3.1	3.0
290-310	1.1	.3										1.4	3.2	3.0
320-340	2.3	1.9	1.1									5.3	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											44.2	//////////	
TOTALS	34.4	13.9	6.2	.6	.5	.1						100.0	2.7	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.0	1.3	.3								6.5	6.3	5.0
020-040	3.7	.4	.1									4.2	2.9	2.0
050-070	4.2	.4										4.6	2.6	2.0
(E) 080-100	2.8	.3										3.1	3.0	2.0
110-130	5.8	1.9	.2									8.0	3.6	3.0
140-160	5.4	4.5	2.6	.4	.4							13.3	6.8	5.0
(S) 170-190	1.6	1.1	1.1	.2								4.0	6.5	6.0
200-220	1.2	.4	.2									1.8	3.9	3.0
230-250	1.4											1.4	1.9	2.0
(W) 260-280	.9	.1										1.0	3.1	3.0
290-310	1.2	.8										1.9	3.8	3.5
320-340	2.3	2.5	.2	.1								5.1	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											45.2	////////////////////////////////	
TOTALS	33.3	14.4	5.7	1.0	.4							100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.3	1.9	1.5	.3	.1							9.1	5.6	4.0
020-040	2.9	.6										3.5	2.9	2.0
050-070	1.6	.1										1.7	2.6	2.0
(E) 080-100	2.6	.1										2.7	2.7	3.0
110-130	3.4	2.2		.1		.1						5.8	4.8	4.0
140-160	5.1	5.3	2.9	1.0	.4	.1						14.7	7.6	6.0
(S) 170-190	3.8	4.4	1.0	.3								9.5	5.9	5.0
200-220	4.1	1.1										5.2	3.2	2.0
230-250	1.6	.3										1.9	3.3	3.0
(W) 260-280	1.7	.2										1.9	3.1	3.0
290-310	2.6	.3		.1	.1							3.1	3.7	3.0
320-340	3.8	2.4	1.8	.2	.1							8.3	6.2	5.0
VARIABLE														
CALM	////////////////////////////////////											32.5	////////////////////////////////	
TOTALS	38.5	18.9	7.2	2.0	.7	.2						100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

C - 4 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	3.3	.8	1.1	.6							8.8	7.9	6.0
020-040	1.4	.6										2.0	3.7	3.0
050-070	.9	.1										1.0	3.0	3.0
(E) 080-100	.4	.2										.6	3.7	3.0
110-130	1.9	1.9	.1			.1						4.1	5.1	5.0
140-160	3.9	4.6	3.1	1.5	.3							13.4	8.2	7.0
(S) 170-190	5.1	5.2	1.5	.2	.1							12.0	5.8	5.5
200-220	6.0	2.3	.3									8.6	3.9	3.0
230-250	4.1	1.1	.4									5.6	3.9	3.0
(W) 260-280	4.7	.8										5.5	2.7	2.0
290-310	3.9	1.6	.2									5.7	3.9	3.0
320-340	5.5	4.9	1.4	1.3	.9							14.0	7.4	6.0
VARIABLE														
CALM	////////////////////											18.6	////////	
TOTALS	40.8	26.6	7.8	4.1	1.9	.1						100.0	4.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	3.2	1.0	.4	.1							9.4	5.9	5.0
020-040	1.4	.6	.2	.1								2.4	5.0	3.5
050-070	.3	.1										.4	3.0	1.5
(E) 080-100	.9											.9	2.5	2.5
110-130	2.9	1.2	.3				.1					4.5	4.8	3.5
140-160	6.7	4.5	2.6	.6	.4	.1	.1					15.1	6.8	5.0
(S) 170-190	6.5	4.1	.3	.1								11.0	4.5	4.0
200-220	6.1	2.7										8.8	3.8	3.0
230-250	2.7	.8	.4									3.9	4.3	3.0
(W) 260-280	3.5	.4	.1									4.1	3.0	2.0
290-310	3.0	1.2	.1									4.3	3.8	4.0
320-340	3.8	6.7	2.3	1.7	.3							14.7	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											20.6	////////////////////////////////	
TOTALS	42.4	25.5	7.3	2.9	.8	.1	.2					100.0	4.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	1.6	.9	.3								7.5	5.2	4.0
020-040	3.0	.2	.2	.1								3.5	3.6	2.0
050-070	1.2	.1	.1									1.4	3.1	2.0
(E) 080-100	2.3											2.3	2.5	2.0
110-130	12.2	3.1	.1									15.4	3.6	3.0
140-160	7.0	4.5	2.4	.6	.1	.2						14.8	6.2	5.0
(S) 170-190	3.2	1.7	.4	.1								5.5	4.7	4.0
200-220	2.5	.8		.2								3.4	4.1	2.0
230-250	.5	.2										.8	4.4	3.0
(W) 260-280	.6											.6	2.8	2.5
290-310	1.2	.6										1.8	3.3	2.0
320-340	3.4	3.5	1.7	.3								9.0	6.6	5.0
VARIABLE														
CALM	////////////////////////////////////											33.9	////////	
TOTALS	41.8	16.3	5.8	1.6	.1	.2						100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	2.4	1.0	.4								7.0	6.3	5.0
020-040	2.9	.4	.1									3.4	3.3	2.0
050-070	3.8	.1										3.9	2.4	2.0
(E) 080-100	5.4	1.1	.1									6.6	3.5	3.0
110-130	12.3	4.2	.1									16.6	3.9	4.0
140-160	5.1	4.9	1.8	.3	.3	.1						12.6	6.5	5.0
(S) 170-190	2.4	1.7	.8	.1								4.9	5.8	5.0
200-220	1.9	.9	.2									3.0	4.3	3.0
230-250	.8		.2	.1								1.1	5.8	3.0
(W) 260-280	.1											.1	2.0	2.0
290-310	1.2	.8										1.9	4.2	4.0
320-340	2.3	1.3	1.2	.3								5.1	6.7	5.0
VARIABLE														
CALM	////////////////////											33.9	////////	
TOTALS	41.4	17.8	5.5	1.2	.3	.1						100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.3	1.0	.4	.1							7.8	6.1	5.0
020-040	2.7	.5	.1	.0								3.3	3.3	2.0
050-070	2.5	.2	.0									2.7	2.5	2.0
(E) 080-100	2.6	.4	.0									3.0	3.1	3.0
110-130	7.1	2.6	.2	.0		.0	.0					10.0	3.9	4.0
140-160	5.4	4.8	2.5	.6	.4	.1	.0					13.7	7.0	6.0
(S) 170-190	3.4	2.6	.8	.1	.0							7.0	5.4	5.0
200-220	3.1	1.1	.1	.0	.0							4.4	3.9	3.0
230-250	1.6	.4	.1	.0								2.1	3.9	3.0
(W) 260-280	1.6	.2	.0									1.9	2.9	2.5
290-310	1.8	.7	.0	.0	.0							2.6	3.8	3.0
320-340	3.1	3.2	1.3	.5	.2							8.3	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											33.3	//////////	
TOTALS	38.8	19.0	6.1	1.6	.7	.1						100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.0	3.1	.2									8.3	4.2	4.0
020-040	2.9	.3										3.2	2.6	2.0
050-070	2.2	.1										2.3	2.5	2.0
(E) 080-100	1.7											1.7	2.8	3.0
110-130	5.7	1.9	.2									7.8	3.6	3.0
140-160	6.5	4.1	1.9	.2	.4							13.0	5.9	5.0
(S) 170-190	4.6	2.5	.5	.2	.1							7.8	4.8	4.0
200-220	4.3	.5		.1								5.0	2.9	2.0
230-250	1.9	.2										2.1	2.6	2.0
(W) 260-280	1.4	.1										1.5	2.8	2.5
290-310	2.2	.6										2.7	3.1	2.5
320-340	3.0	3.6	.2									6.9	4.8	5.0
VARIABLE														
CALM	////////////////////////////////////											37.7	////////////////////////////////	
TOTALS	41.4	17.0	3.0	.5	.5							100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 1750

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.4	1.3	.5								5.8	6.4	5.0
020-040	3.5	.5										4.0	2.9	3.0
050-070	3.9	.1										4.0	2.4	2.0
(E) 080-100	4.5	.5										5.0	2.9	2.0
110-130	14.2	6.4	.2									20.8	3.9	4.0
140-160	5.0	4.4	1.2	.9	1.1	.1						12.6	7.8	5.0
(S) 170-190	1.1	1.9	1.5	.6	1.1							6.1	10.7	10.0
200-220	.7	.7	.4	.2	.1							2.1	8.1	7.0
230-250	.4	.2										.6	4.6	4.0
(W) 260-280	.4	.1										.5	3.0	2.0
290-310	.6	.2										.8	4.0	3.0
320-340	.9	2.2	1.1									4.3	6.9	6.0
VARIABLE														
CALM	////////////////////////////////////											33.3	////////	
TOTALS	37.8	18.6	5.7	2.2	2.3	.1						100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.7	1.2	.5								6.5	6.3	5.0
020-040	3.7	.4										4.0	2.6	2.0
050-070	4.1											4.1	2.2	2.0
(E) 080-100	3.7	.6										4.3	3.0	2.5
110-130	9.5	4.3	.1									13.8	3.9	4.0
140-160	4.6	3.9	3.0	.7	.9	.2						13.4	8.5	6.0
(S) 170-190	1.4	1.7	1.8	.7	.6							6.1	9.5	9.5
200-220	.7	.5										1.2	4.0	3.5
230-250	.5		.2	.1								.8	7.4	4.0
(W) 260-280	.2	.1										.4	3.3	2.0
290-310	.4	.1										.5	3.8	4.0
320-340	1.4	1.5	1.9	.1								5.0	7.5	8.0
VARIABLE														
CALM	////////////////////////////////////											40.0	////////////////////////////////	
TOTALS	33.4	14.8	8.2	2.1	1.5	.2						100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	2.5	.9	.5	.1							7.3	6.2	5.0
020-040	3.7	.2										3.9	2.6	2.0
050-070	2.4	.2										2.6	3.0	3.0
(E) 080-100	3.4	.5										3.9	2.9	3.0
110-130	7.1	3.7										10.8	4.1	4.0
140-160	4.3	3.9	2.8	2.4	1.2							14.5	9.0	8.0
(S) 170-190	1.3	1.5	1.3	.5	.6							5.2	9.4	8.5
200-220	.9	.4	.4									1.7	5.6	4.0
230-250	.6											.6	2.4	2.0
(W) 260-280	.6											.6	2.2	2.0
290-310	.8	.5										1.3	3.4	3.0
320-340	2.0	2.0	2.0	.5								6.5	7.8	8.0
VARIABLE														
CALM	////////////////////////////////////											41.1	////////////////////////////////	
TOTALS	30.4	15.4	7.4	3.9	1.9							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.7	2.4	.9	.4							9.0	8.6	8.0
020-040	2.2	.2	.4									2.8	4.0	3.0
050-070	.8	.5										1.3	3.9	3.0
(E) 080-100	.6	.5										1.1	4.3	4.0
110-130	3.7	1.4	.2									5.3	3.8	3.0
140-160	5.4	5.2	3.7	2.1	1.1	.2	.1					17.8	9.3	8.0
(S) 170-190	4.6	3.8	1.8	1.3		.2						11.7	7.3	6.0
200-220	4.8	1.4	.7	.2								7.2	5.1	4.0
230-250	2.0	.4	.5									2.8	4.5	3.5
(W) 260-280	1.8	.5										2.2	3.1	3.0
290-310	3.1	.7										3.8	3.0	2.5
320-340	5.6	3.8	1.9	1.4	.4							13.0	7.5	6.0
VARIABLE														
CALM	////////////////////											21.9	////////	
TOTALS	37.2	21.1	11.6	5.9	1.9	.4	.1					100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.4	1.9	2.5	.7	.2							7.7	8.6	8.0
020-040	.5	.2										.7	4.3	4.0
050-070	.7	.1										.8	2.3	2.0
(E) 080-100	.5	.1										.6	2.8	1.0
110-130	.8	.6	.4									1.8	5.9	5.0
140-160	3.4	2.1	2.5	1.4	.4	.7	.1					10.6	10.4	8.0
(S) 170-190	3.1	4.7	4.3	1.1	.5		.1					13.7	8.9	8.0
200-220	6.3	4.7	1.1	.8	.1							13.0	5.7	5.0
230-250	4.1	1.7	.8	.4	.1							7.1	5.6	3.5
(W) 260-280	3.8	.9	.1									4.8	3.2	3.0
290-310	3.8	2.6	.8	.1								7.3	5.2	4.0
320-340	4.6	5.4	4.0	1.7	1.5							17.3	9.2	8.0
VARIABLE														
CALM	////////////////////											14.5	////////	
TOTALS	34.0	25.0	16.5	6.2	2.8	.7	.2					100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.7	3.3	1.5	.4	.1							9.0	6.3	5.0
020-040	1.2	.6										1.8	3.5	4.0
050-070	.6	.2										.8	3.6	2.0
(E) 080-100	.5	.2	.1									.8	4.3	4.0
110-130	1.5	.9	.2									2.7	4.7	4.0
140-160	4.6	2.6	3.8	1.8	1.2	.1	.1					14.2	9.7	8.0
(S) 170-190	5.1	3.5	1.4	1.1	.2	.2						11.6	7.0	5.0
200-220	7.0	2.8	1.1	.4	.1							11.3	5.2	4.0
230-250	4.0	1.5	.5									6.0	4.4	3.0
(W) 260-280	2.6	1.3	.6									4.5	4.7	4.0
290-310	2.6	2.8	.6	.1								6.1	6.0	5.0
320-340	3.5	7.6	4.7	2.1	.9							18.9	9.2	8.0
VARIABLE														
CALM	////////////////////////////////////											12.2	////////////////////////////////	
TOTALS	36.9	27.3	14.5	5.9	2.5	.3	.1					100.0	6.2	5.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.7	2.0	1.2	.1								8.0	5.1	4.0
020-040	1.9	.4	.1									2.4	3.4	2.0
050-070	1.4	.2										1.7	2.6	2.0
(E) 080-100	3.5		.1									3.7	2.6	2.0
110-130	10.0	1.4										11.5	3.2	3.0
140-160	6.3	3.2	1.5	1.4	.5	.2						13.1	7.4	5.0
(S) 170-190	3.7	2.0	1.9	1.1	.1	.1						8.9	7.6	5.0
200-220	4.0	1.4	1.1		.1							6.6	4.9	3.0
230-250	.9	.6										1.5	3.8	4.0
(W) 260-280	.5	.5										.9	4.3	3.5
290-310	1.1	1.3	.1									2.5	4.9	5.0
320-340	5.8	3.4	.8	.5	.1							10.6	5.4	4.0
VARIABLE														
CALM	////////////////////////////////////											28.6	////////	
TOTALS	43.8	16.4	6.8	3.1	.8	.3						100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.8	.7	.2								5.0	6.0	5.0
020-040	3.7	.6										4.3	3.1	2.0
050-070	3.4	.2										3.7	2.6	2.0
(E) 080-100	6.7	.8	.1									7.7	3.2	3.0
110-130	12.9	4.4	.2	.1								17.6	4.1	4.0
140-160	5.2	4.4	1.3	1.3	1.2	.4	.1					13.8	8.4	6.0
(S) 170-190	3.2	2.1	1.8	.5	.6							8.2	7.8	7.0
200-220	2.7	.5	.1									3.3	3.5	3.0
230-250	.4	.1	.1	.1								.7	6.7	4.0
(W) 260-280	.4	.4										.7	5.2	5.0
290-310	.8	.4	.1									1.3	5.0	4.0
320-340	1.4	1.9	.6									3.9	6.0	6.0
VARIABLE														
CALM	////////////////////											29.9	////////	
TOTALS	43.0	17.6	5.0	2.2	1.8	.4	.1					100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.2	1.5	.5	.1							7.3	6.8	6.0
020-040	2.5	.4	.1									3.0	3.1	2.0
050-070	2.2	.2										2.4	2.7	2.0
(E) 080-100	2.9	.4	.0									3.4	3.1	3.0
110-130	7.5	2.9	.2	.0								10.5	3.9	4.0
140-160	4.8	3.7	2.5	1.5	.9	.3	.1					13.8	8.8	6.0
(S) 170-190	2.9	2.7	2.0	.8	.5	.1	.0					8.9	8.3	7.0
200-220	3.4	1.6	.6	.2	.1							5.8	5.3	4.0
230-250	1.6	.6	.3	.1	.0							2.5	4.9	3.0
(W) 260-280	1.3	.5	.1									1.8	3.8	3.0
290-310	1.6	1.1	.2	.0								3.0	4.8	4.0
320-340	3.2	3.5	2.1	.8	.4							9.9	7.9	7.0
VARIABLE														
CALM	////////////////////											27.7	////////	
TOTALS	37.0	19.8	9.6	3.9	2.0	.4	.1					100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	2.4										7.4	4.1	4.0
020-040	2.7	.5										3.2	2.8	2.0
050-070	1.1											1.1	2.5	2.0
(E) 080-100	1.9	.5										2.4	2.9	2.0
110-130	5.3	1.6										6.9	3.7	3.5
140-160	4.5	4.5	5.3	3.5	4.0	1.3						23.1	12.6	13.0
(S) 170-190	1.6	2.7	3.7	2.9	2.9							13.8	12.8	13.0
200-220	3.2	.8	.3	.8	.3							5.3	6.3	3.5
230-250	1.6		.5									2.1	5.4	4.0
(W) 260-280	.8	.5										1.3	4.0	4.0
290-310	1.9	.3										2.1	3.1	3.0
320-340	3.5	2.4	.8									6.6	5.4	4.0
VARIABLE														
CALM	////////////////////											24.5	////////	
TOTALS	33.2	16.2	10.6	7.2	7.2	1.3						100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 376

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.7	1.0	.1								3.9	6.7	6.0
020-040	1.3	.1										1.4	2.3	2.0
050-070	1.9											1.9	2.3	2.0
(E) 080-100	2.9	.4										3.3	2.9	2.0
110-130	17.4	7.3	.4									25.2	4.1	4.0
140-160	10.1	8.9	2.7	.3	.5	.5						23.1	6.6	5.0
(S) 170-190	2.6	4.0	1.5	.5	.2	.1						8.9	7.6	6.0
200-220	2.0	1.0	.4	.1								3.5	5.2	4.0
230-250	.5	.5	.4									1.5	6.1	6.5
(W) 260-280	.5	.2	.1									.9	4.5	3.5
290-310	.9	.4										1.3	4.2	4.0
320-340	.9	3.0	.3	.1								4.3	6.4	6.0
VARIABLE														
CALM	////////////////////											20.8	////////	
TOTALS	42.1	27.5	6.8	1.1	.7	.6						100.0	4.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.4	1.2									4.2	6.6	6.0
020-040	1.0											1.0	2.2	2.0
050-070	2.4											2.4	2.5	2.0
(E) 080-100	3.8	.4										4.2	3.1	3.0
110-130	16.3	4.8	.1	.1								21.4	3.8	4.0
140-160	8.6	8.1	2.7	1.1	.2	.6						21.3	7.0	5.0
(S) 170-190	2.0	3.7	2.4	.6	.3	.1						9.1	8.7	8.0
200-220	1.1	1.1	.4	.2								2.8	6.1	5.5
230-250	.2	.3										.5	4.8	6.0
(W) 260-280	.1	.1										.2	5.0	5.0
290-310	1.2	.3	.1									1.6	4.4	4.0
320-340	.8	2.6	1.3	.4	.1							5.2	8.1	7.0
VARIABLE														
CALM	////////////////////											26.1	////////	
TOTALS	39.1	22.8	8.2	2.4	.6	.7						100.0	4.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.2	.6	.1								4.7	6.1	6.0
020-040	1.1	.4										1.5	4.0	4.0
050-070	1.7											1.7	2.2	2.0
(E) 080-100	3.3	.4										3.8	2.9	2.0
110-130	9.0	3.3	.5		.1	.1						13.1	4.4	4.0
140-160	8.3	8.4	2.6	1.7	.8	.4						22.2	7.5	6.0
(S) 170-190	2.6	3.8	1.6	.4	.2	.3						8.9	8.0	7.0
200-220	1.7	1.5	.8	.1								4.1	6.4	6.0
230-250	.5	.3	.1									1.0	4.4	3.0
(W) 260-280	.5											.5	2.2	2.0
290-310	.5	.1										.6	3.5	3.5
320-340	1.2	2.7	1.8	.9								6.6	9.0	8.0
VARIABLE														
CALM	////////////////////////////////////											31.3	////////	
TOTALS	32.2	23.1	8.0	3.2	1.1	.8						100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	2.8	1.7	.9	.2							7.8	8.2	8.0
020-040	1.3											1.3	2.1	2.0
050-070	1.1											1.1	2.7	3.0
(E) 080-100	1.3	.3										1.6	3.1	3.0
110-130	2.3	1.3	.2	.2	.3							4.3	6.3	4.0
140-160	5.2	6.0	2.7	2.2	.8	.5	.1					17.4	8.9	7.0
(S) 170-190	6.7	7.2	4.7	.9	.3	.1						19.9	7.3	6.0
200-220	5.3	4.8	2.3	.3								12.7	5.9	5.0
230-250	3.1	1.2	.5	.1								4.9	4.9	4.0
(W) 260-280	2.0	.3										2.4	2.6	2.0
290-310	1.7	.4										2.2	3.5	3.0
320-340	2.0	3.7	1.8	1.2	1.1	.1						9.9	9.8	8.0
VARIABLE														
CALM	////////////////////////////////////											14.5	////////	
TOTALS	34.3	28.0	13.9	5.8	2.7	.7	.1					100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.5	1.4	.9	.5							6.5	9.2	7.5
020-040	.8	.3										1.1	3.9	3.5
050-070	.5	.2										.8	3.3	3.0
(E) 080-100	.5	.1										.6	3.0	3.0
110-130	1.2	.2	.4		.1							1.9	6.3	4.0
140-160	2.2	3.0	2.4	1.7	1.3	.5	.1					11.2	11.4	10.0
(S) 170-190	4.6	7.8	4.4	1.3	.2	.1						18.5	7.9	7.0
200-220	6.9	8.1	2.6	1.0	.2							18.7	6.6	6.0
230-250	3.4	3.3	1.0	.2	.2							8.2	6.2	5.0
(W) 260-280	1.5	2.5	.1									4.1	5.2	5.0
290-310	1.9	2.7	1.1	.1								5.8	6.3	6.0
320-340	2.6	4.7	4.2	1.4	1.0	.3						14.2	9.9	9.0
VARIABLE														
CALM	////////////////////////////////////											8.5	////////	
TOTALS	27.3	35.4	17.6	6.6	3.5	.9	.1					100.0	7.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.1	1.8	.4	.2							7.2	8.0	7.0
020-040	.9	.8	.2									1.8	5.6	5.0
050-070	.4	.2	.1									.8	4.7	3.0
(E) 080-100	.9	.8										1.6	4.9	4.0
110-130	.9	.9	.3									2.0	5.8	5.0
140-160	2.7	3.1	2.8	.9	.6	.1						10.2	8.9	8.0
(S) 170-190	4.4	4.7	2.6	.5	.4							12.7	7.3	6.0
200-220	5.7	9.4	3.7	1.1	.3	.1						20.2	7.4	6.0
230-250	3.5	4.8	2.6	1.2		.1						12.3	7.8	7.0
(W) 260-280	2.0	1.0	.3									3.3	5.0	4.0
290-310	2.0	2.4	.4									4.8	5.7	5.0
320-340	2.3	6.2	4.3	1.9	1.2	.1						16.0	10.0	8.0
VARIABLE														
CALM	////////////////////											7.0	////////	
TOTALS	27.3	37.4	19.1	6.0	2.7	.4						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	2.7	.8	.2								7.7	5.2	4.0
020-040	1.7	.3	.2	.1								2.4	4.4	3.5
050-070	.6	.3										1.0	3.7	4.0
(E) 080-100	1.2	.6	.1									1.9	4.7	4.0
110-130	3.9	1.6	.6									6.1	4.9	4.0
140-160	6.0	3.8	2.2	.5	.5							13.0	6.6	5.0
(S) 170-190	5.7	4.5	.9	.3	.1							11.5	5.3	5.0
200-220	8.2	7.0	2.2									17.3	5.3	5.0
230-250	1.2	3.5	1.9									6.7	7.6	7.5
(W) 260-280	1.0	.5	.2									1.7	4.6	4.0
290-310	2.0	1.0										3.0	4.1	4.0
320-340	2.5	3.7	2.0	.2	.4							8.8	7.4	6.0
VARIABLE														
CALM	////////////////////											18.8	////////	
TOTALS	38.1	29.5	11.1	1.3	1.0							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.7	1.7	.9	.1								4.4	6.5	5.0
020-040	1.4	.3										1.7	3.3	2.0
050-070	1.9	.1										2.0	2.5	2.0
(E) 080-100	3.7	.5										4.2	3.2	3.0
110-130	12.2	6.2	.3									18.7	4.2	4.0
140-160	3.5	5.8	2.2	1.2	.8							13.4	6.7	5.0
(S) 170-190	5.2	5.6	.9	.2								11.8	5.5	5.0
200-220	5.3	3.2	.4	.1		.2						9.2	5.2	4.0
230-250	1.5	1.3	.3									3.1	5.8	5.0
(W) 260-280	.1	.3	.1									.5	6.8	5.0
290-310	.1	.5	.1									.8	7.4	7.0
320-340	1.0	2.3	.1	.3								3.7	7.1	7.0
VARIABLE														
CALM	////////////////////											21.4	////////	
TOTALS	42.6	27.8	5.3	1.9	.8	.2						100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	2.3	1.2	.3	.1							5.8	7.2	6.0
020-040	1.2	.3	.1	.0								1.5	3.7	3.0
050-070	1.3	.1	.0									1.5	2.7	2.0
(E) 080-100	2.2	.5	.0									2.7	3.3	3.0
110-130	7.9	3.2	.4	.0	.1	.0						11.6	4.3	4.0
140-160	6.4	5.9	2.5	1.2	.7	.3	.0					17.1	7.7	6.0
(S) 170-190	4.2	5.2	2.4	.6	.2	.1						12.7	7.2	6.0
200-220	4.5	4.5	1.6	.4	.1	.0						11.1	6.2	5.0
230-250	1.8	1.9	.9	.2	.0	.0						4.8	6.7	6.0
(W) 260-280	1.0	.6	.1									1.7	4.5	4.0
290-310	1.3	1.0	.2	.0								2.5	5.2	4.0
320-340	1.6	3.6	2.0	.8	.5	.1						8.6	9.0	8.0
VARIABLE														
CALM	////////////////////////////////////											18.5	////////////////////////////////	
TOTALS	35.3	29.1	11.4	3.5	1.7	.5						100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.3										4.1	4.7	5.0
020-040	1.4											1.4	2.7	3.0
050-070														
(E) 080-100	.5	.9										1.4	4.0	5.0
110-130	7.3	4.1	.5									11.9	3.9	3.0
140-160	8.7	5.9	2.7	.9	2.7	.9						21.9	8.7	6.0
(S) 170-190	5.9	9.1	5.9	.9	1.4	.9						24.2	9.2	8.0
200-220	2.3	1.4	1.8	2.3								7.8	8.9	10.0
230-250	1.8	.5	.5		.5							3.2	7.3	3.0
(W) 260-280														
290-310	1.4		.5									1.8	5.5	4.0
320-340		2.7										2.7	7.2	7.5
VARIABLE														
CALM	////////////////////											19.6	////////	
TOTALS	31.1	26.9	11.9	4.1	4.6	1.8						100.0	6.1	5.5

TOTAL NUMBER OF OBSERVATIONS 219

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.7	1.8	.2								6.2	7.7	8.0
020-040	1.4	.3	.1									1.9	3.9	3.0
050-070	1.0											1.0	1.9	2.0
(E) 080-100	3.1	.2										3.3	3.2	3.0
110-130	23.9	5.4										29.3	3.6	4.0
140-160	13.7	8.0	.2	.3								22.2	4.4	4.0
(S) 170-190	4.2	5.1	.2	.2	.1							9.9	5.4	5.0
200-220	1.0	.7	.2									1.9	5.2	4.0
230-250	.3											.3	3.7	4.0
(W) 260-280														
290-310	.6	.2										.8	3.9	4.0
320-340	.8	1.1	.6	.2								2.7	8.0	8.0
VARIABLE														
CALM	////////////////////////////////////											20.4	////////////////////////////////	
TOTALS	51.6	23.7	3.1	.9	.1							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.7	2.4	.4								7.3	7.9	8.0
020-040	1.4	.2	.1	.1								1.9	4.3	3.0
050-070	1.2											1.2	2.5	2.0
(E) 080-100	2.7	.1										2.8	2.7	3.0
110-130	18.6	5.4	.1									24.1	3.8	4.0
140-160	13.1	7.3	.9	.3								21.7	4.6	4.0
(S) 170-190	3.2	4.0	.2	.1								7.6	5.2	5.0
200-220	1.3	.8	.2		.1							2.4	5.5	4.0
230-250	.3	.1		.1								.6	5.6	4.0
(W) 260-280	.2											.2	3.5	3.5
290-310	.4											.4	2.3	2.5
320-340	1.3	1.0	.9	.1								3.3	7.2	7.0
VARIABLE														
CALM	////////////////////											26.4	////////	
TOTALS	45.5	21.6	4.8	1.1	.1							100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.9	2.6	.1	.3							8.4	7.8	7.5
020-040	.9	.1	.1	.2								1.3	6.0	4.0
050-070	1.0											1.0	2.4	2.0
(E) 080-100	1.6	.2										1.8	2.9	2.0
110-130	10.8	2.4	.1	.1								13.4	3.6	3.0
140-160	11.2	7.9	1.7	.4								21.2	5.2	4.0
(S) 170-190	3.8	8.6	1.0									13.3	5.8	6.0
200-220	2.2	3.1	1.1	.1								6.6	6.3	6.0
230-250	.4	.2	.1									.8	5.1	4.0
(W) 260-280	.6											.6	2.0	2.0
290-310	.2	.2										.4	5.0	4.5
320-340	2.4	1.4	1.9	.4	.2							6.4	7.9	7.0
VARIABLE														
CALM	////////////////////											24.7	////////	
TOTALS	37.7	27.0	8.6	1.3	.5							100.0	4.2	4.5

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	2.4	2.3	1.1	.3	.2						8.6	9.3	8.0
020-040	1.1	.2	.2									1.6	4.6	3.5
050-070	.2	.1	.1									.4	6.5	6.0
(E) 080-100	.1	.2										.3	4.7	5.0
110-130	1.2	.6	.3									2.1	5.2	4.0
140-160	3.2	4.2	2.7	.3	.3							10.8	7.3	6.0
(S) 170-190	6.4	9.4	2.1	.1								18.1	5.8	6.0
200-220	6.1	9.7	2.8	.1								18.7	6.0	6.0
230-250	3.6	2.3	.9									6.8	5.1	4.0
(W) 260-280	2.2	.3	.1									2.7	3.3	3.0
290-310	3.1	1.1		.2	.1							4.6	4.7	3.0
320-340	4.0	3.7	3.7	1.6	.2							13.1	8.2	8.0
VARIABLE														
CALM	////////////////////											12.3	////////	
TOTALS	33.3	34.2	15.2	3.4	.9	.2						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.2	1.8	1.0	.6							8.9	8.8	8.0
020-040	.9	.3	.3	.6								2.1	8.3	5.0
050-070	.4	.1										.6	3.8	2.0
(E) 080-100	.2	.3										.6	4.8	5.0
110-130	.2	.7	.2									1.1	6.2	6.5
140-160	2.6	1.9	1.4	.3	.2							6.4	7.2	5.0
(S) 170-190	3.8	6.1	1.3	.2	.2							11.7	6.4	6.0
200-220	6.9	14.6	4.0	1.1								26.6	6.8	6.0
230-250	4.3	6.0	1.2	.7								12.2	6.1	6.0
(W) 260-280	2.1	1.3	.1									3.6	4.5	4.0
290-310	1.8	3.3	1.0									6.1	6.3	6.0
320-340	2.2	6.1	4.0	2.2	.2							14.8	9.3	9.0
VARIABLE														
CALM	////////////////////											5.4	////////	
TOTALS	27.7	43.9	15.3	6.1	1.2							100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.6	1.7	1.2	.4							8.1	9.4	8.0
020-040	1.1	.4	.1	.1								1.8	5.3	4.0
050-070	.4	.1										.6	3.6	4.0
(E) 080-100	.9	.2										1.1	3.9	3.5
110-130	.6	.3	.1									1.0	4.6	4.0
140-160	2.7	1.9	.9	.8								6.2	6.9	5.5
(S) 170-190	4.7	4.9	.7	.2	.1							10.6	5.5	5.0
200-220	6.6	12.6	6.7	.6								26.3	7.2	7.0
230-250	2.6	7.1	3.8	1.3	.1							14.9	8.1	8.0
(W) 260-280	2.1	1.3	.7									4.1	5.6	4.0
290-310	2.0	2.9	1.2									6.1	6.2	6.0
320-340	2.0	6.8	4.6	1.6	.2							15.1	8.9	8.0
VARIABLE														
CALM	////////////////////											4.1	////////	
TOTALS	26.9	42.1	20.5	5.8	.8							100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	2.6	.9	.7	.1							8.3	6.3	5.0
020-040	1.4	.9	.3									2.7	5.4	4.0
050-070	.4	.3										.8	4.6	4.0
(E) 080-100	.9	.4										1.3	3.7	4.0
110-130	4.1	.8	.2									5.1	3.8	3.0
140-160	5.3	1.7	.9	.3	.1							8.3	5.4	4.0
(S) 170-190	6.7	4.2	.1									11.0	4.3	4.0
200-220	12.9	14.2	2.2	.1								29.4	5.4	5.0
230-250	2.3	5.0	2.3									9.7	7.0	7.0
(W) 260-280	.9	.3	.2									1.4	5.3	4.0
290-310	.4	1.1	.3									1.9	6.3	6.0
320-340	3.2	2.8	2.1	.4								8.6	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											11.4	////////	
TOTALS	42.6	34.3	9.5	1.5	.2							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.4	1.3	1.1	.1								5.0	5.5	5.0
020-040	1.6	.6	.2									2.3	4.3	4.0
050-070	1.4	.3										1.8	3.1	3.0
(E) 080-100	2.8											2.8	3.0	3.0
110-130	14.6	3.3	.1									18.0	3.7	4.0
140-160	12.9	5.6	.2		.3							19.0	4.5	4.0
(S) 170-190	6.8	5.9	.1									12.8	4.5	4.0
200-220	8.1	4.0	.3									12.4	4.1	3.5
230-250	1.3	1.2	.3									2.9	5.3	5.0
(W) 260-280	.6	.1										.7	3.5	4.0
290-310	.6	.6	.1									1.2	5.4	5.0
320-340	1.9	1.3	.8	.1								4.1	6.5	5.0
VARIABLE														
CALM	////////////////////											17.0	////////	
TOTALS	55.0	24.2	3.2	.2	.3							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB/SACRAMENTO CA PERIOD OF RECORD: AUG 81 - JUL 91
LST TO UTC: + 8 MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	2.7	1.8	.6	.2	.0						7.6	8.0	7.0
020-040	1.2	.4	.2	.1								1.9	5.3	4.0
050-070	.8	.1	.0									.9	3.2	2.0
(E) 080-100	1.5	.2										1.7	3.2	3.0
110-130	9.2	2.4	.2	.0								11.8	3.8	4.0
140-160	8.1	4.8	1.1	.4	.1							14.5	5.2	4.0
(S) 170-190	4.9	6.0	.7	.1	.1							11.9	5.4	5.0
200-220	5.6	7.4	2.2	.3	.0							15.5	6.1	6.0
230-250	1.9	2.8	1.1	.3	.0							6.0	6.7	6.0
(W) 260-280	1.1	.4	.1									1.7	4.5	4.0
290-310	1.1	1.2	.3	.0	.0							2.7	5.7	5.0
320-340	2.2	3.0	2.3	.8	.1							8.5	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////											15.2	////////	
TOTALS	39.9	31.4	10.0	2.6	.5							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS													
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN
(DEGREES)												%	WIND
(N) 350-010	.9											.9	2.0
020-040	.9											.9	4.0
050-070													
(E) 080-100	.9	.9										1.8	4.0
110-130	2.7	1.8		.9								5.3	6.0
140-160	6.2	13.3	7.1	2.7	.9							30.1	8.0
(S) 170-190	13.3	18.6	1.8	.9	.9							35.4	6.1
200-220	4.4	6.2	1.8		.9							13.3	7.6
230-250	.9	.9	.9									2.7	7.7
(W) 260-280													
290-310													
320-340													
VARIABLE													
CALM	////////////////////////////////////											9.7	////////////////////////////////
TOTALS	30.2	41.7	11.6	4.5	2.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 113

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.1	.3	.1								2.8	6.0	5.0
020-040	1.0	.5										1.5	3.6	4.0
050-070	.9											.9	1.5	1.5
(E) 080-100	1.8											1.8	2.6	2.0
110-130	20.4	4.4										24.8	3.5	4.0
140-160	20.9	8.8										29.7	3.9	4.0
(S) 170-190	8.3	6.2	.5									15.1	4.6	4.0
200-220	1.9	2.3	.5									4.7	5.6	6.0
230-250	.8											.8	2.1	2.0
(W) 260-280	.2											.2	2.5	2.5
290-310	.3	.3										.6	3.7	4.0
320-340	.5	.8	.3									1.6	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											15.5	////////	
TOTALS	58.3	24.4	1.6	.1								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.6	.8									4.4	6.1	5.0
020-040	.6											.6	2.2	2.0
050-070	.9											.9	2.3	2.0
(E) 080-100	1.6	.1										1.7	2.7	2.0
110-130	23.1	4.2										27.3	3.3	3.0
140-160	18.5	8.6	.1									27.2	4.1	4.0
(S) 170-190	4.7	4.9	.4									10.1	4.9	5.0
200-220	1.5	2.2	.8									4.4	5.9	6.0
230-250	.4	.3										.8	4.3	4.0
(W) 260-280	.1											.1	2.0	2.0
290-310	.1	.6										.8	5.1	5.0
320-340	1.2	1.5	.3									3.0	5.6	5.5
VARIABLE														
CALM	////////////////////											18.7	//////////	
TOTALS	54.7	24.0	2.4									100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.2	2.6	.1								6.1	8.1	9.0
020-040	.8	.3										1.1	3.7	2.5
050-070	.3	.2										.5	3.8	2.0
(E) 080-100	1.5											1.5	2.1	2.0
110-130	8.7	1.5										10.2	3.1	3.0
140-160	8.8	9.1	.6									18.6	4.9	5.0
(S) 170-190	8.6	9.4	1.2									19.1	5.2	5.0
200-220	5.5	8.5	2.4	.2								16.6	6.1	6.0
230-250	8	.8	.2									1.7	5.7	5.0
(W) 260-280	.4											.4	2.0	1.5
290-310	1.0	.3										1.3	3.2	3.0
320-340	2.3	3.1	.9	.1								6.3	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											16.5	////////	
TOTALS	40.0	35.4	7.9	.4								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	2.9	3.3	.3								8.5	7.9	7.0
020-040	.5	.2	.1									.9	4.3	3.0
050-070														
(E) 080-100	.2											.2	1.5	1.5
110-130	.5	.1										.6	3.0	3.0
140-160	1.4	2.3	.8									4.4	6.2	7.0
(S) 170-190	5.5	7.7	2.0									15.3	5.9	6.0
200-220	8.5	14.5	4.0									27.0	6.3	6.0
230-250	6.3	3.3	.6									10.3	4.4	4.0
(W) 260-280	3.8	1.0										4.7	3.5	4.0
290-310	3.4	4.0	.4									7.8	4.7	5.0
320-340	4.4	6.0	2.7	.3								13.4	6.8	6.0
VARIABLE														
CALM	////////////////////											6.8	////////	
TOTALS	36.4	42.0	13.9	.6								100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.9	2.6	.2								6.9	8.3	8.0
020-040	.4	.3										.8	4.6	3.0
050-070	.4											.4	2.8	3.0
(E) 080-100		.1										.1	9.0	9.0
110-130	.1		.1									.2	7.5	7.5
140-160	1.0	1.1	.8									2.8	6.6	6.0
(S) 170-190	2.9	3.8	.9									7.5	5.7	6.0
200-220	4.7	12.6	5.2	.2	.1							22.8	7.1	7.0
230-250	5.1	8.6	1.2	.1								14.9	5.9	6.0
(W) 260-280	5.1	5.1	.5									10.6	4.9	5.0
290-310	5.1	7.4	1.1									13.5	5.7	6.0
320-340	5.2	7.0	4.5	.5								17.2	7.1	6.5
VARIABLE														
CALM	////////////////////											2.2	////////	
TOTALS	31.2	48.9	16.9	1.0	.1							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.2	2.9	.3								8.5	7.1	7.0
020-040	.8	.2										1.0	3.7	4.0
050-070	.1	.1										.2	5.0	5.0
(E) 080-100	.3	.2										.5	4.4	4.0
110-130	.6	.1	.1									.9	4.6	4.0
140-160	.6	.4	.2									1.3	5.7	5.0
(S) 170-190	1.4	1.8	.8									4.0	5.9	6.0
200-220	2.7	13.5	8.4	.6								25.3	8.3	8.0
230-250	3.2	11.1	7.0	1.1	.3							22.7	8.4	8.0
(W) 260-280	2.8	4.4	.5									7.7	5.6	5.0
290-310	3.8	6.6	1.1									11.4	5.7	5.0
320-340	3.0	7.5	3.5	.3								14.4	7.4	8.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	22.4	48.1	24.5	2.3	.3							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.7	1.1									7.3	5.4	5.0
020-040	.8	.3										1.1	3.1	2.0
050-070	.1											.1	4.0	4.0
(E) 080-100	.6	.1										.8	3.0	2.0
110-130	.3	.3										.6	4.2	4.5
140-160	1.2	1.1	.1									2.4	4.9	4.5
(S) 170-190	2.3	4.4	.9									7.5	5.9	5.0
200-220	10.5	24.0	6.3	.2								41.1	6.6	6.0
230-250	2.9	9.9	6.6	.1	.1							19.6	8.0	8.0
(W) 260-280	.8	1.0	.4									2.2	5.5	5.0
290-310	1.9	.6	.3	.2								3.1	5.1	4.0
320-340	2.4	4.5	1.0									7.8	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											6.5	////////	
TOTALS	27.3	48.9	16.7	.5	.1							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.9	.2									2.4	5.0	4.0
020-040	.8	.3										1.1	3.5	3.5
050-070	.5	.3										.9	3.9	3.5
(E) 080-100	1.0	.3										1.3	3.5	4.0
110-130	12.2	2.5										14.6	3.7	4.0
140-160	14.8	7.3										22.2	4.1	4.0
(S) 170-190	10.0	7.8	.3									18.2	4.5	4.0
200-220	13.3	6.9	1.4									21.6	4.4	4.0
230-250	2.2	.5	.2									2.9	4.1	4.0
(W) 260-280	.2	.2	.1									.5	5.6	5.0
290-310	1.0	.2	.1									1.3	4.4	3.0
320-340	.5	.8	.3									1.6	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											11.5	////////	
TOTALS	57.8	28.0	2.6									100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS																		
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN				
(DEGREES)												%	WIND	WIND				
(N) 350-010	2.0	2.0	1.7	.1								5.9	7.0	7.0				
020-040	.7	.3	.0												1.0	3.6	3.0	
050-070	.4	.1													.5	2.9	2.0	
(E) 080-100	.9	.1													1.0	2.9	2.0	
110-130	8.3	1.6	.0													9.9	3.5	4.0
140-160	8.4	4.8	.3													13.6	4.4	4.0
(S) 170-190	5.5	5.8	.9													12.1	5.2	5.0
200-220	6.1	10.6	3.6	.2	.0								20.4	6.5	6.0			
230-250	2.7	4.3	2.0	.2	.1								9.2	6.9	6.0			
(W) 260-280	1.7	1.5	.2													3.3	4.9	4.0
290-310	2.1	2.5	.4	.0								5.0	5.3	5.0				
320-340	2.4	3.9	1.7	.2								8.2	6.8	6.0				
VARIABLE																		
CALM	////////////////////////////////////											10.0	////////					
TOTALS	41.2	37.5	10.8	.7	.1								100.0	5.0	5.0			

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130	2.4											2.4	3.0	3.0
140-160	4.9	9.8										14.6	5.3	5.0
(S) 170-190	7.3	31.7	2.4									41.5	6.3	6.0
200-220	2.4	22.0	9.8									34.1	8.4	8.0
230-250		4.9										4.9	7.0	7.0
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	17.0	68.4	12.2									100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 41

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.3	.2									1.1	5.2	4.5
020-040	.2											.2	2.0	2.0
050-070	.3	.1										.4	3.3	3.0
(E) 080-100	1.1	.1										1.2	3.0	3.0
110-130	13.8	1.7										15.4	3.2	3.0
140-160	22.0	11.0										33.0	4.0	4.0
(S) 170-190	13.9	11.7	.7									26.2	4.7	4.0
200-220	2.4	2.7	.2									5.3	4.8	5.0
230-250	.2	.4										.7	6.3	6.5
(W) 260-280	.2	.1										.3	3.0	2.0
290-310														
320-340	.4	.6	.3									1.3	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											14.7	////////	
TOTALS	55.1	28.7	1.4									100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.0	.2									2.2	5.2	5.0
020-040	.3											.3	1.7	2.0
050-070	.9											.9	1.5	1.5
(E) 080-100	1.0											1.0	2.2	2.0
110-130	18.1	2.4										20.6	3.2	3.0
140-160	23.1	9.9										33.0	3.8	4.0
(S) 170-190	8.3	10.2	1.2									19.8	5.2	5.0
200-220	2.3	2.6	.8									5.7	5.7	5.0
230-250	.2	.1										.3	3.7	4.0
(W) 260-280	.1											.1	2.0	2.0
290-310														
320-340	.6	.4	.4	.2								1.7	8.2	7.0
VARIABLE														
CALM	////////////////////////////////////											14.4	////////////////////////////////	
TOTALS	55.9	26.6	2.6	.2								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 06-08

WIND SPEED IN KNOTS															
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(W) 350-010	1.3	1.6	.7									3.6	6.2	6.5	
020-040	.9	.2										1.1	3.0	3.0	
050-070	.3											.3	1.7	2.0	
(E) 080-100	1.0											1.0	2.1	2.0	
110-130	4.6	1.1	.1									5.8	3.3	3.0	
140-160	10.0	7.6	.1									17.7	4.4	4.0	
(S) 170-190	10.2	15.8	1.7									27.7	5.5	6.0	
200-220	5.6	11.6	3.1	.1								20.3	6.4	6.0	
230-250	.6	.7	.2									1.4	5.5	6.0	
(W) 260-280	.6											.6	2.0	2.0	
290-310	.9											.9	1.8	2.0	
320-340	1.1	.8	1.2	.2								3.3	7.8	8.5	
VARIABLE															
CALM	////////////////////////////////////												16.3	////////	
TOTALS	37.1	39.4	7.1	.3								100.0	4.4	5.0	

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.4	.8									4.8	5.2	4.0
020-040	.8	.2										1.0	2.7	2.0
050-070	.4											.4	3.0	3.0
(E) 080-100	.1											.1	2.0	2.0
110-130	.8	.2										1.0	2.7	2.0
140-160	2.0	1.2	.4									3.7	5.0	4.0
(S) 170-190	4.8	8.9	.8									14.4	5.7	6.0
200-220	9.1	16.0	4.6									29.7	6.3	6.0
230-250	4.8	7.2	.6	.2								12.8	5.4	5.0
(W) 260-280	4.2	1.8	.1									6.1	4.0	4.0
290-310	5.4	2.0										7.4	3.6	4.0
320-340	3.8	3.9	2.8	.3								10.8	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											7.8	////////	
TOTALS	38.8	42.8	10.1	.5								100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.9	.9	.1								4.8	6.3	5.0
020-040	.4											.4	3.3	3.5
050-070														
(E) 080-100														
110-130	.1	.2										.3	4.7	6.0
140-160	.6	.8										1.3	4.6	5.0
(S) 170-190	1.6	3.9	.3									5.8	5.8	6.0
200-220	4.4	14.1	5.0	.3								23.9	7.0	7.0
230-250	4.4	12.3	4.8	.4								22.0	6.9	6.0
(W) 260-280	4.2	5.8	.7									10.7	5.1	5.0
290-310	5.8	7.0	1.2									14.0	5.4	5.0
320-340	4.3	6.4	2.3	.1								13.2	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											3.6	////////	
TOTALS	27.7	52.4	15.2	.9								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.1	1.0									4.9	6.3	6.0
020-040	.2											.2	4.0	4.0
050-070	.1	.1										.2	3.5	3.5
(E) 080-100	.2											.2	2.0	2.0
110-130	.2	.1										.3	3.0	2.0
140-160	.2	.3	.1									.7	6.3	7.5
(S) 170-190	.9	2.1	1.0									4.0	7.2	7.5
200-220	1.6	10.7	11.2	.4								23.9	8.8	9.0
230-250	5.7	11.8	8.9	1.1	.1							27.6	8.1	8.0
(W) 260-280	4.7	6.2	1.6									12.4	5.8	5.0
290-310	3.4	5.8	1.1									10.3	5.9	6.0
320-340	3.9	5.9	2.3	.1								12.2	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											3.0	////////	
TOTALS	22.9	45.1	27.2	1.6	.1							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	1.4	1.3	.1									2.9	5.0	4.5
020-040	.3	.1										.4	2.8	2.0
050-070	.1											.1	3.0	3.0
(E) 080-100														
110-130	.1											.1	4.0	4.0
140-160	.4	.7										1.1	5.0	5.0
(S) 170-190	.9	4.8	.4									6.1	6.4	6.0
200-220	8.1	23.0	14.6	.6								46.2	7.8	8.0
230-250	2.4	13.9	8.0	.3								24.7	8.2	8.0
(W) 260-280	2.8	1.1	.3									4.2	4.6	4.0
290-310	2.0	1.7										3.7	4.4	4.0
320-340	2.8	3.8	.2									6.8	4.9	5.0
VARIABLE														
CALM	////////////////////////////////////											3.7	////////	
TOTALS	21.3	50.4	23.6	.9								100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.1	.1									.8	4.3	3.0
020-040	.4											.4	3.3	3.5
050-070														
(E) 080-100	.3	.1										.4	3.3	3.0
110-130	8.6	1.2	.1									9.9	3.6	4.0
140-160	16.1	8.4										24.6	4.0	4.0
(S) 170-190	12.8	14.4	.7									27.9	4.9	5.0
200-220	12.9	8.0	1.4	.1								22.4	4.6	4.0
230-250	2.0	1.3	.3									3.7	5.0	4.0
(W) 260-280	.4	.1										.6	3.4	4.0
290-310	.3											.3	2.3	2.0
320-340	.7	.4	.2	.2								1.6	6.6	5.0
VARIABLE														
CALM	////////////////////											7.4	////////	
TOTALS	55.1	34.0	2.8	.3								100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.2	.5	.0								3.1	5.7	5.0
020-040	.5	.1										.5	2.8	2.5
050-070	.3	.0										.3	2.4	2.0
(E) 080-100	.5	.0										.5	2.5	2.0
110-130	5.8	.9	.0									6.7	3.3	3.0
140-160	9.3	5.0	.1									14.4	4.1	4.0
(S) 170-190	6.7	9.0	.8									16.5	5.3	5.0
200-220	5.8	11.1	5.1	.2								22.2	6.8	7.0
230-250	2.5	6.0	2.8	.3	.0							11.6	7.3	7.0
(W) 260-280	2.2	1.9	.3									4.4	5.0	5.0
290-310	2.2	2.1	.3									4.6	5.0	5.0
320-340	2.2	2.8	1.2	.2								6.4	6.5	6.0
VARIABLE														
CALM	////////////////////											8.9	////////	
TOTALS	39.4	40.1	11.1	.7								100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130	1.2	1.2										2.4	4.5	4.5
140-160	3.6	11.9										15.5	5.3	5.0
(S) 170-190	4.8	35.7	6.0									46.4	6.9	7.0
200-220	4.8	19.0	7.1	1.2								32.1	7.7	8.0
230-250		1.2										1.2	7.0	7.0
(W) 260-280	1.2											1.2	4.0	4.0
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											1.2	////////////////////////////////	
TOTALS	15.6	69.0	13.1	1.2								100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 84

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.1										.2	5.5	5.5
020-040	.1											.1	2.0	2.0
050-070	.2											.2	1.0	1.0
(E) 080-100	.2											.2	2.5	2.5
110-130	19.1	1.6										20.8	3.2	3.0
140-160	24.6	9.7										34.3	3.7	4.0
(S) 170-190	17.1	9.5	.6									27.2	4.2	4.0
200-220	3.0	2.8	.8									6.6	5.6	5.0
230-250	.3											.3	3.0	3.0
(W) 260-280														
290-310	.1											.1	2.0	2.0
320-340	.1	.1										.2	4.5	4.5
VARIABLE														
CALM	////////////////////////////////////											9.8	////////	
TOTALS	64.9	23.8	1.4									100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.5										.5	5.8	5.0
020-040	.3	.1										.4	3.8	3.5
050-070														
(E) 080-100	.3											.3	2.7	3.0
110-130	20.1	.2										20.3	3.1	3.0
140-160	27.7	10.1										37.8	3.8	4.0
(S) 170-190	14.5	6.6	.2									21.3	3.9	4.0
200-220	2.4	2.9	.5									5.8	5.4	5.0
230-250	.3	.2										.5	4.0	4.0
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											12.9	////	////
TOTALS	65.6	20.6	.7									100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	.4	.4	.2									1.1	6.0	6.5
020-040	.3		.1									.4	3.5	1.5
050-070	.4											.4	1.8	2.0
(E) 080-100	.5	.1										.6	3.5	3.5
110-130	6.7	.5										7.2	2.9	3.0
140-160	14.0	5.7	.3									20.0	4.0	4.0
(S) 170-190	17.4	12.8	1.5									31.7	4.6	4.0
200-220	9.0	10.2	2.0									21.3	5.5	5.0
230-250	.5	1.6	.1									2.3	6.2	6.0
(W) 260-280	.1											.1	4.0	4.0
290-310	.3											.3	2.0	2.0
320-340	1.0	.3										1.3	3.8	3.0
VARIABLE														
CALM	////////////////////////////////////											13.2	////////	
TOTALS	50.6	31.6	4.2									100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.2	1.3										2.5	4.4	5.0
020-040	.2	.1										.3	3.3	1.0
050-070														
(E) 080-100	.2											.2	1.5	1.5
110-130														
140-160	3.0	1.2	.1	.1								4.4	4.3	4.0
(S) 170-190	8.4	5.8	1.4									15.6	4.8	4.0
200-220	14.8	17.1	4.2									36.1	5.6	5.0
230-250	8.1	7.4	.3									15.8	4.6	4.0
(W) 260-280	4.1	1.6	.1									5.8	3.7	3.0
290-310	5.1	1.2										6.2	3.2	3.0
320-340	3.2	2.6	.2									6.0	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											7.0	////////////////////////////////	
TOTALS	48.3	38.3	6.3	.1								100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.3										2.3	5.3	5.0
020-040	.1											.1	2.0	2.0
050-070	.1	.1										.2	3.5	3.5
(E) 080-100														
110-130														
140-160	.8	.3										1.1	3.6	2.5
(S) 170-190	1.4	2.5	.8									4.6	6.6	7.0
200-220	4.3	11.9	3.9	.3								20.4	6.8	6.0
230-250	6.8	14.8	1.9									23.5	5.8	6.0
(W) 260-280	8.6	10.4	.4									19.5	4.9	5.0
290-310	8.3	6.8	.4									15.5	4.6	4.0
320-340	5.4	3.0	.4									8.8	4.5	4.0
VARIABLE														
CALM	////////////////////////////////////											4.0	//////////	
TOTALS	36.8	51.1	7.8	.3								100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.6										1.8	3.5	3.0
020-040	.1	.1										.2	5.0	5.0
050-070														
(E) 080-100														
110-130		.1										.1	5.0	5.0
140-160	.2											.2	3.0	3.0
(S) 170-190	.6	1.9	.6									3.2	6.9	6.0
200-220	3.6	13.3	6.4	.4								23.6	7.7	8.0
230-250	5.2	21.4	6.9	.6								34.2	7.3	7.0
(W) 260-280	7.0	7.3	.3									14.7	5.0	5.0
290-310	5.3	6.5	.3									12.1	5.0	5.0
320-340	3.6	4.0	.4									8.0	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											1.9	////////////////////////////////	
TOTALS	26.8	55.2	14.9	1.0								100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.3	.1									.8	5.4	6.0
020-040	.2											.2	4.0	4.0
050-070	.2											.2	3.0	3.0
(E) 080-100	.1											.1	1.0	1.0
110-130														
140-160	1.0	.3										1.3	3.7	4.0
(S) 170-190	2.8	6.5	.6									9.9	5.7	5.0
200-220	9.9	29.6	8.6	.1								48.2	6.9	7.0
230-250	3.2	17.6	7.4									28.3	7.7	8.0
(W) 260-280	1.4	1.1										2.5	4.7	4.0
290-310	1.8	1.1										2.9	4.3	4.0
320-340	2.5	.9	.1									3.5	3.9	4.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	23.4	57.4	16.8	.1								100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.1										.4	3.5	3.5
020-040														
050-070														
(E) 080-100	.5											.5	3.4	3.0
110-130	11.9	1.6										13.5	3.7	4.0
140-160	20.7	6.7	.2									27.6	3.9	4.0
(S) 170-190	17.5	12.6	.5									30.6	4.4	4.0
200-220	12.2	7.0	.4									19.6	4.2	4.0
230-250	1.1	1.0										2.0	4.3	4.0
(W) 260-280	.1											.1	2.0	2.0
290-310	.1											.1	2.0	2.0
320-340	.1	.1										.2	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											5.2	////////	
TOTALS	64.5	29.1	1.1									100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.6	.0									1.2	4.8	5.0
020-040	.2	.0	.0									.2	3.6	2.0
050-070	.1	.0										.1	2.2	2.0
(E) 080-100	.2	.0										.3	2.9	3.0
110-130	7.2	.5										7.7	3.2	3.0
140-160	11.5	4.3	.1	.0								15.9	3.8	4.0
(S) 170-190	10.0	7.3	.8									18.0	4.6	4.0
200-220	7.4	11.8	3.4	.1								22.7	6.2	6.0
230-250	3.2	8.0	2.1	.1								13.4	6.6	6.0
(W) 260-280	2.7	2.6	.1									5.3	4.7	4.5
290-310	2.6	1.9	.1									4.7	4.4	4.0
320-340	2.0	1.4	.1									3.5	4.5	4.0
VARIABLE														
CALM	////////////////////											7.0	////////	
TOTALS	47.7	38.4	6.7	.2								100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS 7432

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010													
020-040													
050-070													
(E) 080-100													
110-130													
140-160													
(S) 170-190	4.8	42.9									47.6	6.3	6.5
200-220	14.3	14.3	23.8								52.4	8.6	9.0
230-250													
(W) 260-280													
290-310													
320-340													
VARIABLE													
CALM	////////////////////////////////////										.0	////////////////////////////////	
TOTALS	19.1	57.2	23.8								100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 21

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														7.0
020-040	.1											.1	1.0	1.0
050-070	.1											.1	1.0	1.0
(E) 080-100	.5	.1										.6	3.2	3.0
110-130	19.1	3.8										22.9	3.5	4.0
140-160	30.0	10.4	.3									40.8	4.0	4.0
(S) 170-190	12.4	9.7	.2									22.3	4.4	4.0
200-220	1.2	2.2	.3									3.7	5.9	6.0
230-250		.1										.1	5.0	5.0
(W) 260-280														
290-310														
320-340	.3											.3	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											9.1	////////	
TOTALS	63.7	26.3	.8									100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.4										.5	4.8	5.0
020-040														
050-070	.1											.1	3.0	3.0
(E) 080-100	1.2											1.2	2.6	2.0
110-130	23.4	2.6										26.0	3.4	3.0
140-160	27.6	10.6	.2									38.5	3.7	4.0
(S) 170-190	9.1	5.6	.2									14.9	4.2	4.0
200-220	2.3	3.2	.1									5.6	5.2	5.0
230-250	.4	.4										.9	3.8	3.5
(W) 260-280														
290-310														
320-340	.2	.1										.3	4.3	4.0
VARIABLE														
CALM	////////////////////											11.9	////////	
TOTALS	64.4	22.9	.5									100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.1										.6	3.5	3.0
020-040	.4											.4	1.8	2.0
050-070	.1											.1	2.0	2.0
(E) 080-100	.8	.1										.9	3.0	2.5
110-130	10.2	1.2										11.4	3.1	3.0
140-160	14.3	8.5	.2									23.0	4.1	4.0
(S) 170-190	14.0	13.1	.4									27.5	4.6	4.0
200-220	5.8	9.9	1.7									17.4	5.8	6.0
230-250	.8	1.4	.1									2.3	6.1	7.0
(W) 260-280	.4											.4	2.0	2.0
290-310	.5											.5	1.8	2.0
320-340	.2	.9										1.1	5.8	6.0
VARIABLE														
CALM	////////////////////////////////////											14.3	////////	
TOTALS	48.0	35.2	2.4									100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.5	.1									1.3	4.8	4.5
020-040	.2											.2	1.5	1.5
050-070	.2											.2	2.5	2.5
(E) 080-100	.5											.5	2.8	3.0
110-130	.3											.3	3.3	3.0
140-160	3.2	1.1										4.3	3.4	3.5
(S) 170-190	8.0	9.0	.8									17.7	5.0	5.0
200-220	12.5	17.0	4.1									33.5	5.7	6.0
230-250	8.2	6.9	.9									15.9	4.8	4.0
(W) 260-280	5.6	1.0										6.6	3.0	3.0
290-310	5.5	1.3	.1									6.9	3.4	3.0
320-340	4.0	1.7	.4									6.1	4.3	4.0
VARIABLE														
CALM	////////////////////											6.3	////////	
TOTALS	48.8	38.5	6.4									100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.6										2.3	4.0	4.0
020-040		.1										.1	9.0	9.0
050-070		.1										.1	8.0	8.0
(E) 080-100														
110-130	.1											.1	4.0	4.0
140-160	.6	.4										1.1	4.4	4.0
(S) 170-190	1.8	2.4	.2									4.4	5.3	5.0
200-220	3.9	13.3	4.3									21.5	7.0	7.0
230-250	7.8	13.2	2.4	.1								23.5	5.9	5.0
(W) 260-280	8.3	11.2	.2									19.7	4.9	5.0
290-310	8.6	6.6										15.2	4.3	4.0
320-340	5.4	4.2	.3									9.9	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	38.1	52.1	7.4	.1								100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4										1.5	3.4	3.0
020-040	.3											.3	3.0	3.0
050-070	.2	.2										.4	5.3	5.5
(E) 080-100														
110-130	.1											.1	2.0	2.0
140-160	.2	.1										.3	3.7	3.0
(S) 170-190	1.0	2.2	.2									3.3	6.4	7.0
200-220	3.1	14.2	9.1	.3								26.8	8.2	8.0
230-250	5.2	20.4	5.1									30.6	6.8	6.0
(W) 260-280	6.0	7.2	.2									13.4	4.7	5.0
290-310	6.6	7.0	.1									13.7	4.7	5.0
320-340	3.9	3.3	.3									7.5	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											1.9	////////////////////////////////	
TOTALS	27.7	55.0	15.0	.3								100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.2										.9	3.5	4.0
020-040	.1											.1	4.0	4.0
050-070	.2											.2	2.5	2.5
(E) 080-100	.1	.1										.2	5.5	5.5
110-130	.3	.1										.4	3.5	3.0
140-160	1.1	.3										1.4	4.0	4.0
(S) 170-190	3.8	7.3	.2									11.3	5.4	5.0
200-220	15.1	30.4	7.7	.4								53.7	6.5	6.0
230-250	4.4	12.2	3.0									19.6	6.9	7.0
(W) 260-280	2.5	1.1	.1									3.7	4.1	3.5
290-310	2.2	.6										2.8	3.4	4.0
320-340	1.1	.5										1.6	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											4.2	////////////////////////////////	
TOTALS	31.5	52.8	11.0	.4								100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.1										.1	9.0	9.0
020-040														
050-070	.1											.1	2.0	2.0
(E) 080-100	.9											.9	3.0	3.0
110-130	14.3	2.3										16.6	3.7	4.0
140-160	22.5	9.9										32.4	3.9	4.0
(S) 170-190	17.0	10.4	.3									27.7	4.4	4.0
200-220	8.8	5.1	.4									14.3	4.2	4.0
230-250	1.3	1.1	.1									2.5	4.7	4.0
(W) 260-280	.3	.3										.6	4.2	4.5
290-310	.1											.1	3.0	3.0
320-340		.2										.2	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											4.5	////////////////////////////////	
TOTALS	65.3	29.4	.8									100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.3	.0									.9	4.0	4.0
020-040	.1	.0										.2	2.8	2.0
050-070	.1	.0										.2	3.6	3.0
(E) 080-100	.5	.0										.5	3.0	3.0
110-130	8.5	1.2										9.7	3.5	4.0
140-160	12.4	5.2	.1									17.7	3.9	4.0
(S) 170-190	8.4	7.5	.3									16.2	4.7	4.0
200-220	6.6	11.9	3.5	.1								22.1	6.4	6.0
230-250	3.5	7.0	1.4	.0								11.9	6.1	6.0
(W) 260-280	2.9	2.6	.1									5.6	4.5	4.0
290-310	2.9	1.9	.0									4.9	4.2	4.0
320-340	1.9	1.4	.1									3.4	4.6	4.0
VARIABLE														
CALM	////////////////////											6.8	////////	
TOTALS	48.4	39.0	5.5	.1								100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130														
140-160	14.3											14.3	2.7	3.0
(S) 170-190	14.3	19.0										33.3	5.0	5.0
200-220	4.8	47.6										52.4	7.1	7.0
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											.0	////////////////////////////////	
TOTALS	33.4	66.6										100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 21

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.3	.9	.6									1.8	7.3	7.0
020-040	.6	.3	.1									1.0	4.7	4.0
050-070	.7		.1									.8	3.7	3.0
(E) 080-100	1.9	.7										2.6	3.7	3.0
110-130	24.2	3.7										27.9	3.4	4.0
140-160	17.9	7.4										25.3	3.9	4.0
(S) 170-190	9.1	3.6										12.7	3.8	4.0
200-220	1.7	1.0										2.7	4.3	4.0
230-250	.6	.1										.7	3.2	3.0
(W) 260-280	.2	.2										.4	4.3	4.5
290-310	.1											.1	2.0	2.0
320-340	.3	.9	.3									1.6	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											22.6	////////////////////////////////	
TOTALS	57.6	18.8	1.1									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.6	.2									3.0	5.2	5.0
020-040	1.8	.1										1.9	2.6	2.0
050-070	1.1											1.1	1.9	2.0
(E) 080-100	2.2											2.2	2.3	2.0
110-130	24.0	4.6										28.6	3.5	4.0
140-160	14.7	6.3										21.0	3.9	4.0
(S) 170-190	6.7	3.3	.3									10.3	4.3	4.0
200-220	.7	.7										1.3	4.4	4.5
230-250	.3	.1										.4	3.3	2.5
(W) 260-280	.2											.2	2.5	2.5
290-310	.6	.3										.9	4.3	4.0
320-340	.9	1.6	.2									2.7	5.5	6.0
VARIABLE														
CALM	////////////////////////////////////											26.3	////////	
TOTALS	54.4	18.6	.7									100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	2.4	.8									5.9	5.6	6.0
020-040	1.6	.3	.1									2.0	3.2	2.0
050-070	.8	.1										.9	2.9	2.5
(E) 080-100	1.8											1.8	2.2	2.0
110-130	10.7	2.2										12.9	3.2	3.0
140-160	13.0	8.1	.2	.1								21.4	4.3	4.0
(S) 170-190	6.6	6.2	.4	.1	.1							13.4	4.9	5.0
200-220	2.7	2.7	.3									5.7	4.6	5.0
230-250	1.6											1.6	3.0	4.0
(W) 260-280	.6											.6	2.4	2.0
290-310	.9											.9	2.3	2.0
320-340	2.2	1.8	.8									4.8	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											28.2	////////////////////////////////	
TOTALS	45.2	23.8	2.6	.2	.1							100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.9	1.6	.3								5.2	7.3	7.0
020-040	.6											.6	1.4	1.0
050-070	.3											.3	2.3	2.0
(E) 080-100	.3											.3	3.0	3.0
110-130	1.4	.6										2.0	3.8	3.5
140-160	3.1	2.0	.2									5.3	4.6	4.0
(S) 170-190	8.9	7.0	1.0	.3								17.2	5.2	4.0
200-220	8.9	8.6	2.3									19.8	5.5	5.0
230-250	4.6	4.0	.7									9.2	4.8	5.0
(W) 260-280	4.8	.2	.1									5.1	3.1	3.0
290-310	6.2	1.7	.2									8.1	3.4	3.0
320-340	6.1	6.6	2.8	.1	.1							15.7	6.2	6.0
VARIABLE														
CALM	////////////////////											11.1	////////	
TOTALS	46.6	32.6	8.9	.7	.1							100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.1	2.0	.2								5.4	8.3	8.0
020-040	.7											.7	2.0	2.0
050-070	.2	.4										.7	4.5	5.5
(E) 080-100	.2		.2									.4	6.5	6.0
110-130	.1	.1	.1									.3	6.7	8.0
140-160	.8	.1	.7									1.6	7.0	4.5
(S) 170-190	1.4	3.1	.9	.1								5.6	6.8	7.0
200-220	4.1	9.8	3.0	.2								17.1	6.6	6.0
230-250	8.2	7.3	1.2	.6								17.3	5.6	5.0
(W) 270-280	8.7	4.1	.1									12.9	3.9	4.0
290-310	10.1	6.0	.4									16.6	4.4	4.0
320-340	6.2	7.7	2.7	.7								17.2	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											4.2	////////	
TOTALS	41.8	40.7	11.3	1.8								100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.7	.8	.2								5.6	5.6	4.0
020-040	.7	.3										1.0	3.1	2.0
050-070			.1									.1	10.0	10.0
(E) 080-100	.1	.4										.6	4.4	5.0
110-130	.1	.6	.2									.9	7.8	8.0
140-160	.3	.4	.6		.1							1.4	8.9	8.0
(S) 170-190	1.0	3.0	.2									4.2	5.9	6.0
200-220	2.9	8.2	6.7	.4								18.2	8.1	8.0
230-250	6.1	8.8	5.0	.4								20.3	6.9	7.0
(W) 260-280	6.8	3.7	.3									10.8	4.2	4.0
290-310	9.0	5.6	.4	.2								15.2	4.6	4.0
320-340	5.8	6.9	2.4	.6								15.7	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											6.0	////////	
TOTALS	35.7	39.6	16.7	1.8	.1							100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.0	.3									4.0	4.2	3.0
020-040	.2	.1	.1									.4	5.5	5.0
050-070	.1											.1	1.0	1.0
(E) 080-100	.1		.1									.2	5.5	5.5
110-130	2.4	.1										2.6	2.9	3.0
140-160	2.8	.9	.2									3.9	4.2	4.0
(S) 170-190	6.3	5.1	.1									11.6	4.5	4.0
200-220	14.9	15.1	2.3	.1								32.4	5.4	5.0
230-250	3.1	7.4	2.4	.2								13.2	6.9	7.0
(W) 260-280	1.6	.6										2.1	3.7	4.0
290-310	2.0	.8										2.8	3.7	4.0
320-340	5.1	2.4	.6									8.1	4.4	4.0
VARIABLE														
CALM	////////////////////											18.6	////////	
TOTALS	41.3	33.5	6.1	.3								100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.9	.1									1.8	4.6	5.0
020-040	.2	.2	.1									.6	5.6	6.0
050-070	.8	.1	.1									1.0	3.7	2.0
(E) 080-100	1.4	.3										1.8	3.5	4.0
110-130	18.0	3.4										21.4	3.6	4.0
140-160	18.0	6.6	.2									24.8	3.9	4.0
(S) 170-190	8.2	5.0	.2									13.4	4.2	4.0
200-220	8.2	2.3	.3									10.9	3.8	3.0
230-250	1.0	1.4										2.4	4.7	5.0
(W) 260-280	.2											.2	2.0	2.0
290-310	.3	.4										.8	4.4	5.0
320-340	.9	.7	.4									2.0	5.8	5.5
VARIABLE														
CALM	////////////////////											18.9	////////	
TOTALS	58.0	21.3	1.4									100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.6	.8	.1								4.1	6.1	6.0
020-040	.8	.2	.1									1.0	3.3	2.0
050-070	.5	.1	.0									.6	3.2	2.0
(E) 080-100	1.0	.2	.0									1.2	3.3	3.0
110-130	10.1	1.9	.0									12.1	3.5	4.0
140-160	8.8	4.0	.3	.0	.0							13.1	4.1	4.0
(S) 170-190	6.0	4.5	.4	.1	.0							11.1	4.7	4.0
200-220	5.5	6.0	1.9	.1								13.5	5.8	5.0
230-250	3.2	3.7	1.2	.2								8.2	6.0	6.0
(W) 260-280	2.9	1.1	.1									4.0	3.9	4.0
290-310	3.7	1.8	.1	.0								5.7	4.2	4.0
320-340	3.4	3.6	1.3	.2	.0							8.5	6.0	5.0
VARIABLE														
CALM	////////////////////											17.0	////////	
TOTALS	47.5	28.7	6.2	.7								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.0											3.0	7.5	7.5
020-040	1.5											1.5	5.0	5.0
050-070														
(E) 080-100	1.5											1.5	5.0	5.0
110-130	4.5											4.5	6.7	7.0
140-160	7.6	18.2		1.5								27.3	5.9	5.0
(S) 170-190	4.5	10.6	6.1	1.5	1.5							24.2	8.6	7.5
200-220	6.1	16.7										22.7	6.0	5.0
230-250	4.5	1.5		1.5								7.6	6.8	4.0
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											7.6	////////	
TOTALS	22.7	57.5	6.1	4.5	1.5							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 66

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	2.7	.4									5.1	5.4	5.0
020-040	.8											.8	3.0	3.0
050-070	1.9	.1										2.0	2.6	2.0
(E) 080-100	4.3	.2										4.5	2.3	2.0
110-130	25.8	3.9										29.7	3.3	3.0
140-160	11.4	3.5	.4	.3								15.7	4.3	4.0
(S) 170-190	2.2	1.6										3.8	4.2	4.0
200-220	1.2	.6	.2									2.0	4.7	4.0
230-250	.4	.3										.8	4.3	4.0
(W) 260-280	.1											.1	2.0	2.0
290-310	.6											.6	2.8	2.5
320-340	1.7	1.4	.8									3.9	6.0	5.0
VARIABLE														
CALM	////////////////////////////////////											31.1	////////	
TOTALS	52.3	14.3	1.8	.3								100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER APB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.1	.5									4.1	4.9	4.0
020-040	1.8	.1										1.9	2.6	2.0
050-070	1.9											1.9	2.3	2.0
(E) 080-100	3.1	.2										3.3	2.6	2.0
110-130	21.3	3.8	.1									25.2	3.3	3.0
140-160	8.4	2.9	.1	.3								11.7	4.2	4.0
(S) 170-190	3.1	2.5										5.6	4.0	4.0
200-220	1.2	.4	.1									1.7	4.0	4.0
230-250	.4											.4	1.8	2.0
(W) 260-280		.1										.1	6.0	6.0
290-310	.6	.1										.8	3.4	4.0
320-340	1.6	1.4	1.2									4.2	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											39.0	////////	
TOTALS	45.9	12.6	2.0	.3								100.0	2.3	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	2.9		.2								6.6	4.8	4.0
020-040	1.8	.2										2.0	2.5	2.0
050-070	1.2											1.2	2.5	2.0
(E) 080-100	2.4	.3										2.7	2.6	2.0
110-130	16.5	2.5										18.9	3.2	3.0
140-160	8.6	4.4	.2	.2								13.4	4.3	4.0
(S) 170-190	3.9	3.0	.1									7.0	4.4	4.0
200-220	.8	1.3										2.0	4.4	5.0
230-250	.8	.2										1.0	2.9	2.0
(W) 260-280	.3											.3	2.3	2.0
290-310	.4	.2										.6	3.5	3.0
320-340	2.6	1.0	.5	.3								4.4	5.7	4.0
VARIABLE														
CALM	////////////////////////////////////											39.8	////////	
TOTALS	42.7	16.0	.8	.7								100.0	2.4	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.0	2.0	1.0									5.1	5.6	5.0
020-040	.6	.2										.9	3.5	2.0
050-070	.4											.4	2.8	3.0
(E) 080-100	.8											.8	2.1	2.0
110-130	1.6	.6										2.3	3.1	2.0
140-160	4.4	3.2	1.2	.2								9.0	5.5	5.0
(S) 170-190	7.6	6.9	.8									15.3	4.6	4.5
200-220	6.3	5.4	.9									12.6	4.8	4.0
230-250	3.3	1.7	.1									5.2	3.7	3.0
(W) 260-280	4.1	.5										4.6	2.6	2.0
290-310	6.2	.9										7.1	2.9	2.0
320-340	8.7	5.1	1.7	.8	.2							16.5	5.4	4.0
VARIABLE														
CALM	////////////////////////////////////											20.4	////////////////////////////////	
TOTALS	46.0	26.5	5.7	1.0	.2							100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.2	1.6	.4	.1							7.8	6.6	5.0
020-040	.8	.3										1.1	3.8	4.0
050-070	.6											.6	2.8	3.0
(E) 080-100	.1											.1	1.0	1.0
110-130	.4	.1	.2									.8	5.6	4.0
140-160	.8	1.4	1.0	.4		.2						3.8	9.6	9.0
(S) 170-190	2.5	3.4	.9									6.8	6.0	5.0
200-220	5.5	5.9	1.2	.1								12.7	5.6	5.0
230-250	5.5	4.4	.5									10.4	4.5	4.0
(W) 260-280	9.5	1.8										11.3	3.2	3.0
290-310	9.4	5.2	.2	.1								14.8	4.2	4.0
320-340	11.0	7.1	2.3	.6	.2							21.2	5.4	4.0
VARIABLE														
CALM	////////////////////////////////////											8.6	////////	
TOTALS	49.6	31.8	7.9	1.6	.3	.2						100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.9	2.6	1.3	.4								10.2	5.3	4.0
020-040	.6	.1										.8	2.9	2.0
050-070	.5	.1										.6	2.5	2.5
(E) 080-100	.2	.3										.5	5.0	5.0
110-130	.5	.6	.2									1.4	5.5	6.0
140-160	1.0	1.7	.8	.1	.2	.1						3.9	8.5	7.0
(S) 170-190	3.3	1.7	.3									5.4	4.4	4.0
200-220	4.5	6.8	1.4	.1								12.8	5.9	6.0
230-250	5.6	4.3	.8									10.6	4.9	4.0
(W) 260-280	6.5	1.6	.1									8.2	3.6	3.0
290-310	7.3	3.1	.3									10.8	4.0	3.0
320-340	8.4	8.0	2.6	.9	.3							20.1	6.2	5.0
VARIABLE														
CALM	////////////////////////////////////											14.7	////////	
TOTALS	44.3	30.9	7.8	1.5	.5	.1						100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.4	.8									5.4	4.9	4.0
020-040	1.1	.1										1.2	2.4	2.0
050-070	2.0	.4										2.5	3.1	3.0
(E) 080-100	1.9	.5										2.5	3.6	4.0
110-130	7.1	1.3										8.4	3.3	3.0
140-160	4.7	.8	.1	.1								5.7	3.5	3.0
(S) 170-190	6.1	2.6	.2	.1								9.0	4.1	3.5
200-220	11.5	4.4	.1									16.0	4.0	4.0
230-250	1.0	1.3	.5									2.8	5.8	6.0
(W) 260-280	.6	.4	.2									1.3	5.3	4.0
290-310	1.2		.1									1.3	3.2	2.0
320-340	2.4	2.3	.6	.4								5.7	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											38.3	////////	
TOTALS	42.8	15.5	2.6	.6								100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	.9	.3									2.3	5.5	5.0
020-040	1.8	.1										1.9	2.8	2.0
050-070	1.5											1.5	2.7	3.0
(E) 080-100	4.4	.3										4.7	3.0	3.0
110-130	26.3	4.3										30.6	3.4	3.0
140-160	11.5	3.4	.3	.1								15.4	3.7	3.0
(S) 170-190	1.8	1.1	.1									3.0	4.3	4.0
200-220	2.9	1.2										4.1	3.8	3.5
230-250	.3	.6										1.0	5.0	6.0
(W) 260-280	.2	.1										.3	3.3	2.0
290-310	.8	.4	.1									1.3	4.9	4.0
320-340	1.5	3.0	.9									5.4	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											28.5	////////	
TOTALS	54.1	15.4	1.7	.1								100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	2.0	.7	.1	.0							5.8	5.4	4.0
020-040	1.2	.1										1.3	2.8	2.0
050-070	1.3	.1										1.4	2.7	2.0
(E) 080-100	2.2	.2										2.4	2.8	3.0
110-130	12.4	2.1	.1									14.7	3.3	3.0
140-160	6.3	2.7	.5	.2	.0	.0						9.8	4.7	4.0
(S) 170-190	3.8	2.8	.3	.0								7.0	4.6	4.0
200-220	4.2	3.3	.5	.0								8.0	4.9	4.0
230-250	2.2	1.6	.2									4.0	4.5	4.0
(W) 260-280	2.7	.6	.0									3.3	3.3	3.0
290-310	3.3	1.2	.1	.0								4.7	3.8	4.0
320-340	4.7	3.6	1.3	.4	.1							10.2	5.8	5.0
VARIABLE														
CALM	////////////////////											27.6	////////	
TOTALS	47.3	20.3	3.7	.7	.1							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	2.1										4.2	5.3	5.5
020-040	.7											.7	2.0	2.0
050-070	1.4	.7										2.1	3.7	4.0
(E) 080-100	.7											.7	3.0	3.0
110-130	9.1											9.1	3.1	3.0
140-160	8.4	6.3	.7		.7	.7						16.8	5.8	4.5
(S) 170-190	9.8	14.0	1.4									25.2	5.2	5.0
200-220	2.8	4.9	.7									8.4	5.8	5.5
230-250	1.4	2.1	.7									4.2	5.5	6.0
(W) 260-280														
290-310	.7		.7									1.4	7.0	7.0
320-340	1.4	2.1	.7									4.2	5.3	5.5
VARIABLE														
CALM	////////////////////											23.1	////////////////	
TOTALS	38.5	32.2	4.9		.7	.7						100.0	3.9	4.5

TOTAL NUMBER OF OBSERVATIONS 143

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.7	.6	.6								5.2	6.4	5.0
020-040	2.7	.4										3.1	3.0	2.5
050-070	3.9	.1										4.0	2.5	2.0
(E) 080-100	3.2	.8										4.0	3.3	2.5
110-130	12.8	3.7	.2	.1								16.8	3.8	4.0
140-160	4.2	2.8	2.2	.7	.3	.1						10.3	7.6	6.0
(S) 170-190	2.7	2.3	1.8	.3								7.1	6.8	6.0
200-220	.6	.4	.4									1.4	6.2	5.0
230-250	.3		.2									.6	5.8	3.0
(W) 260-280	.3											.3	2.7	2.0
290-310	.6	.2										.8	3.1	3.0
320-340	1.9	1.8	.9	.1								4.7	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											41.7	////////	
TOTALS	35.6	14.2	6.3	1.8	.3	.1						100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.9	.8	.7								4.8	7.6	7.0
020-040	2.1	.7	.1									2.9	3.5	2.5
050-070	2.8											2.8	2.1	2.0
(E) 080-100	2.8	.4										3.2	3.0	3.0
110-130	10.8	3.4	.3									14.6	3.7	3.0
140-160	4.9	4.7	1.6	.7	.7	.1						12.6	7.4	6.0
(S) 170-190	1.9	2.4	2.1		.1							6.6	7.5	7.0
200-220	.4	.7	.3	.1								1.6	7.3	8.0
230-250	.3	.1										.4	3.0	2.5
(W) 260-280	.4											.4	2.0	2.0
290-310	.8	.2										1.0	3.0	2.0
320-340	1.8	1.6	.4	.1								3.9	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											45.3	////////////////////////////////	
TOTALS	30.4	16.1	5.6	1.6	.8	.1						100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.0	1.0	.3								5.6	6.5	5.0
020-040	1.3	.1										1.4	2.6	2.0
050-070	2.0	.1										2.1	2.7	2.0
(E) 080-100	1.6	.7										2.2	3.1	3.0
110-130	10.1	3.8	.4									14.3	3.8	3.0
140-160	3.9	5.2	2.0	.7	.7	.2						12.7	7.7	6.0
(S) 170-190	1.3	2.1	1.7	.6								5.7	8.4	8.0
200-220	.3	.3	.7									1.3	8.3	9.0
230-250	.8	.1		.1								1.0	4.6	2.0
(W) 260-280	.9											.9	2.3	2.0
290-310	.7	.6										1.2	4.2	4.0
320-340	3.1	1.6	1.2									5.9	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////											45.7	////////////////////////////////	
TOTALS	28.2	16.6	7.0	1.7	.7	.2						100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	2.2	1.4	.6	.1							7.2	6.9	6.0
020-040	1.4	.3	.1	.1								2.0	4.3	3.0
050-070	1.0											1.0	2.2	2.0
(E) 080-100	1.4	.1										1.6	2.5	2.0
110-130	2.2	2.4	.6		.1							5.3	6.1	5.0
140-160	5.7	4.7	3.0	1.6	.8	.2						15.9	8.0	7.0
(S) 170-190	5.4	5.9	2.4	.3	.1							14.2	6.5	6.0
200-220	2.4	1.6	.8	.2								5.0	5.4	5.0
230-250	2.1	.6	.3									3.0	4.1	2.0
(W) 260-280	2.1	.4	.1									2.7	3.5	3.0
290-310	3.8	.4	.1									4.3	3.1	3.0
320-340	5.4	3.8	1.6	.2	.2							11.2	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											26.6	////////////////////////////////	
TOTALS	35.8	22.4	10.4	3.0	1.3	.2						100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	3.2	1.9	.6	.1	.1						8.8	7.4	6.0
020-040	1.0	.4	.1									1.6	4.3	3.5
050-070	.4			.1								.6	4.4	2.0
(E) 080-100	.8	.1										.9	3.6	3.5
110-130	1.2	1.2	.8									3.2	6.4	6.0
140-160	2.2	3.7	2.9	1.3	.6	.1	.1					10.9	9.7	9.0
(S) 170-190	5.2	6.0	1.6	.6	.2							13.6	6.2	5.0
200-220	4.9	3.7	2.3	.2								11.1	6.2	5.0
230-250	3.6	1.3	.7		.1							5.7	4.8	3.0
(W) 260-280	4.0	1.2	.3									5.6	3.7	3.0
290-310	4.3	2.2	.2	.1								6.9	4.3	4.0
320-340	5.8	5.8	2.7	1.2	.3							15.8	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											15.6	////////////////////////////////	
TOTALS	36.3	28.8	13.5	4.1	1.3	.2	.1					100.0	5.5	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	4.3	1.3	.7								9.9	6.3	5.0
020-040	.8	.2	.1									1.1	4.3	3.5
050-070	.1	.3										.4	4.8	5.5
(E) 080-100	1.0	.2										1.2	3.8	4.0
110-130	3.1	1.4	.3									4.9	4.6	4.0
140-160	4.6	2.1	1.8	.7	.8	.2						10.1	8.3	5.0
(S) 170-190	4.7	3.0	1.6	.2	.1	.1						9.7	6.1	5.0
200-220	4.9	3.6	.8	.2								9.4	5.0	4.0
230-250	3.2	1.0	.7	.2								5.1	5.3	4.0
(W) 260-280	1.8	.7	.1									2.6	4.2	4.0
290-310	3.0	1.7	.4	.1								5.2	4.9	4.0
320-340	5.8	5.2	1.9	.9	.3							14.1	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											26.2	////////////////////////////////	
TOTALS	36.6	23.7	9.0	3.0	1.2	.3						100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.1	1.0	.2								5.6	6.2	5.0
020-040	1.8											1.8	2.4	2.0
050-070	1.2	.2										1.4	2.8	3.0
(E) 080-100	1.7	.4										2.1	3.2	3.0
110-130	11.6	2.3	.4									14.3	3.6	3.0
140-160	4.8	3.8	1.6	.6	.4	.3						11.4	7.3	5.0
(S) 170-190	2.9	1.7	1.0	.1	.2							5.9	6.2	5.0
200-220	2.8	1.6	.3									4.7	4.5	4.0
230-250	.8	.6		.1								1.4	5.4	3.0
(W) 260-280	1.0	.4										1.4	4.1	4.0
290-310	1.9	.7										2.6	3.0	2.0
320-340	2.9	1.8	.9	.2								5.8	5.8	4.5
VARIABLE														
CALM	////////////////////////////////////											41.6	////////	
TOTALS	35.6	15.6	5.2	1.2	.6	.3						100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	1.8	1.9	.8	.1								4.6	6.4	6.0
020-040	1.8	.7										2.4	3.4	2.5
050-070	1.9	.2										2.1	2.7	2.0
(E) 080-100	4.6	1.1										5.7	3.2	3.0
110-130	15.8	3.0	.1	.2								19.1	3.7	4.0
140-160	4.2	2.6	2.7	.4								9.9	7.0	5.0
(S) 170-190	1.7	2.8	1.1	.7	.1							6.3	7.8	7.0
200-220	1.3	1.2	.7	.1								3.3	6.7	6.0
230-250	.7	.2										.9	3.3	2.5
(W) 260-280	.6											.6	2.8	3.0
290-310	1.0	.1										1.1	3.5	3.5
320-340	2.6	1.8	.8									5.1	5.7	4.5
VARIABLE														
CALM	////////////////////////////////////											38.9	////////	
TOTALS	38.0	15.6	6.2	1.5	.1							100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.4	2.4	1.1	.5	.0	.0						6.4	6.7	6.0
020-040	1.6	.4	.1	.0								2.0	3.4	3.0
050-070	1.7	.1		.0								1.8	2.6	2.0
(E) 080-100	2.1	.5										2.6	3.2	3.0
110-130	8.4	2.7	.4	.0	.0							11.6	4.0	4.0
140-160	4.3	3.7	2.2	.8	.5	.2	.0					11.7	7.9	6.0
(S) 170-190	3.2	3.3	1.7	.3	.1	.0						8.6	6.8	6.0
200-220	2.2	1.6	.8	.1								4.7	5.8	5.0
230-250	1.5	.5	.2	.1	.0							2.3	4.8	3.0
(W) 260-280	1.4	.3	.1									1.8	3.6	3.0
290-310	2.0	.8	.1	.0								2.9	3.9	3.0
320-340	3.7	2.9	1.3	.3	.1							8.3	6.3	5.0
VARIABLE														
CALM	////////////////////											35.2	////////	
TOTALS	34.5	19.2	8.0	2.1	.7	.2						100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	3.0	.4									6.4	5.5	5.0
020-040	1.6	1.0										2.6	4.0	4.0
050-070	1.7											1.7	2.5	2.0
(E) 080-100	1.9	.6										2.5	3.5	3.0
110-130	4.6	3.5	1.2		.1							9.4	5.8	5.0
140-160	4.2	5.6	5.4	2.6	2.2	.7						20.7	10.6	10.0
(S) 170-190	3.6	3.8	1.6	.1	.7	.1						10.0	7.7	6.0
200-220	1.0	.6	.6	.3								2.5	6.9	6.0
230-250	.7	.1		.1	.1							1.2	6.6	3.0
(W) 260-280	1.7	.4										2.2	3.4	2.0
290-310	1.9	1.2		.1								3.2	4.4	4.0
320-340	3.3	4.2	.4									8.0	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											29.8	////////	
TOTALS	29.1	24.0	9.6	3.2	3.1	.8						100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 691

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.9	1.1	.8								6.2	7.0	5.0
020-040	3.1	.1										3.2	2.5	2.0
050-070	3.1											3.1	2.4	2.0
(E) 080-100	2.4	.3										2.7	2.5	2.0
110-130	11.3	3.9	.3									15.5	3.7	3.5
140-160	5.5	4.1	1.9	.2	.2							11.9	6.2	5.0
(S) 170-190	2.5	1.7	1.1									5.3	5.8	5.0
200-220	1.3	.4	.2	.1								2.0	4.6	4.0
230-250	.6	.3	.2									1.2	5.5	3.0
(W) 260-280	.3	.1										.4	3.0	1.5
290-310	.4	.1										.5	2.4	2.0
320-340	2.2	2.2	1.6	.8	.1							6.8	8.0	7.0
VARIABLE														
CALM	////////////////////////////////////											41.1	////////////////////////////////	
TOTALS	35.2	15.1	6.4	1.9	.3							100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.8	1.6	.4								7.6	6.6	6.0
020-040	1.6	.3										1.9	3.0	2.0
050-070	2.5	.2										2.7	2.4	2.0
(E) 080-100	3.2	.5	.1									3.9	3.0	2.0
110-130	5.8	2.4	.8	.1	.1							9.1	4.7	4.0
140-160	4.9	5.6	1.8	.8	.6							13.8	7.4	6.0
(S) 170-190	2.5	2.2	.9	.1								5.6	5.4	5.0
200-220	1.4	.2	.2									1.8	4.0	3.0
230-250	.9	.2		.1								1.2	4.1	3.0
(W) 260-280	.6											.6	1.8	2.0
290-310	.4	.2	.1									.8	4.7	4.0
320-340	2.9	3.0	1.5	.2	.1							7.7	6.9	6.0
VARIABLE														
CALM	////////////////////											43.2	////////	
TOTALS	29.5	17.6	7.0	1.7	.8							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	2.4	1.3	.6								8.6	6.2	4.5
020-040	2.5	.2										2.7	2.5	2.0
050-070	1.9	.2										2.2	3.0	2.0
(E) 080-100	3.4	.2										3.7	2.7	2.5
110-130	5.9	2.2	1.0	.2	.1							9.4	5.0	4.0
140-160	4.2	3.3	3.9	.5	.4	.6	.1					13.1	8.8	8.0
(S) 170-190	2.4	1.3	.8	.1	.3							4.8	6.7	5.0
200-220	1.4	.2	.2									1.8	3.7	2.0
230-250	.4	.2										.6	3.2	3.0
(W) 260-280	.6	.1										.8	3.4	2.0
290-310	1.6	.3										1.9	3.2	2.0
320-340	2.7	2.6	2.0	.4								7.7	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											42.7	////////////////////////////////	
TOTALS	31.3	13.2	9.2	1.8	.8	.6	.1					100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.5	4.1	1.0	.6	.5							9.8	6.8	5.0
020-040	2.3	.3	.1		.1							2.8	3.6	2.0
050-070	1.2	.2										1.4	2.5	2.0
(E) 080-100	1.6	.3										1.9	2.8	2.0
110-130	2.6	2.4	.5	.2	.1							5.8	5.7	5.5
140-160	5.4	5.1	4.1	1.0	1.5	.5	.1					17.6	9.4	8.0
(S) 170-190	4.2	2.5	1.3	.2								8.2	5.6	4.0
200-220	2.0	.8	.3									3.1	4.2	3.0
230-250	1.5	.5	.3	.1								2.5	5.1	4.0
(W) 260-280	1.6	.1										1.7	2.9	2.5
290-310	2.0	1.2										3.2	3.8	3.5
320-340	3.1	2.7	1.4	1.3	.4							8.9	8.1	6.0
VARIABLE														
CALM	////////////////////////////////////											33.0	//////////	
TOTALS	31.0	20.2	9.0	3.4	2.6	.5	.1					100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	4.2	1.1	.9	.3							9.2	7.4	6.0
020-040	1.2	.4		.1	.2							1.9	6.3	4.0
050-070	1.4											1.4	2.2	2.0
(E) 080-100	.8	.1										.9	2.9	2.0
110-130	1.9	1.7	.8									4.4	5.6	5.0
140-160	3.0	3.8	4.0	1.0	1.4	.1						13.2	9.5	9.0
(S) 170-190	4.7	4.7	2.5	.4		.1	.2					12.7	7.1	6.0
200-220	4.5	1.3	.5		.2							6.6	4.7	3.0
230-250	2.3	.6	.2	.1	.1							3.3	5.0	3.0
(W) 260-280	3.4	.2	.1									3.8	2.9	2.0
290-310	4.3	1.6	.3									6.2	3.9	3.0
320-340	5.4	6.2	1.7	1.3	1.5	.1						16.2	8.1	6.0
VARIABLE														
CALM	////////////////////////////////////											20.1	////////	
TOTALS	35.7	24.8	11.2	3.8	3.7	.3	.2					100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	3.0	1.1	1.0	.2							9.7	6.8	5.0
020-040	1.2	.5	.1		.1							1.9	4.9	2.5
050-070	.8				.1							.9	4.1	2.0
(E) 080-100	1.1		.1									1.2	3.1	2.0
110-130	3.7	1.6	.8									6.0	4.9	4.0
140-160	6.3	4.2	2.4	1.2	.2		.1					14.4	6.9	5.0
(S) 170-190	5.3	2.0	1.4		.3	.1						9.1	5.8	4.0
200-220	4.9	.9	.3									6.1	3.6	2.0
230-250	2.2	.3	.2	.1								2.8	4.0	3.0
(W) 260-280	1.6	.2	.2									2.0	3.8	3.0
290-310	3.2	1.4	.4		.1							5.2	4.9	4.0
320-340	4.1	5.4	1.7	1.2	.5							12.9	7.6	6.0
VARIABLE														
CALM	////////////////////////////////////											27.7	////////////////////////////////	
TOTALS	38.8	19.5	8.7	3.5	1.5	.1	.1					100.0	4.3	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(N) 350-010	2.9	2.8	1.5	.8	.2							8.2	7.4	6.0	
020-040	1.9	.2	.1									2.3	3.0	3.0	
050-070	1.0	.1										1.1	2.5	2.0	
(E) 080-100	3.7	.4										4.1	2.5	2.0	
110-130	9.1	2.8	.3	.2								12.5	3.9	3.0	
140-160	6.8	3.3	1.4	.6								12.2	5.7	4.0	
(S) 170-190	2.6	1.5	.6	.3	.3							5.4	6.9	6.0	
200-220	1.6	.8	.2									2.6	4.4	3.5	
230-250	.6	.3	.2		.1							1.3	6.3	4.0	
(W) 260-280	.4	.3										.8	4.0	4.0	
290-310	1.4	.3										1.7	2.9	2.5	
320-340	3.3	2.0	.8	.5	.1							6.8	6.3	5.0	
VARIABLE															
CALM	////////////////////////////////////											41.3	////////////////////////////////		
TOTALS	35.3	14.8	5.1	2.4	.7							100.0	3.1	4.0	

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	1.4	1.7	.6								7.1	7.0	5.5
020-040	1.8	.1										1.9	2.8	2.0
050-070	2.9	.1										3.0	2.4	2.0
(E) 080-100	4.0	.5										4.5	3.0	3.0
110-130	12.0	3.9	.3	.2								16.5	4.0	3.0
140-160	5.6	4.1	1.6	.2								11.5	5.6	5.0
(S) 170-190	2.3	1.8	1.1	.2								5.4	6.4	5.5
200-220	1.0	1.0										1.9	5.0	5.0
230-250	1.2	.1	.1									1.4	3.4	3.0
(W) 260-280	.5											.5	2.6	2.0
290-310	.2	.4										.6	4.5	5.0
320-340	1.7	1.8	1.4	.3	.1							5.4	7.5	6.0
VARIABLE														
CALM	////////////////////////////////////											40.2	////////////////////////////////	
TOTALS	36.5	15.2	6.2	1.5	.1							100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.3	2.8	1.3	.7	.2							8.3	6.9	6.0
020-040	1.9	.3	.0	.0	.1							2.3	3.5	2.0
050-070	1.8	.1			.0							2.0	2.6	2.0
(E) 080-100	2.5	.3	.0									2.8	2.8	2.0
110-130	6.5	2.6	.6	.1	.0							9.9	4.4	4.0
140-160	5.2	4.2	2.6	.7	.6	.2	.0					13.5	7.6	6.0
(S) 170-190	3.3	2.2	1.2	.2	.1	.0	.0					7.1	6.2	5.0
200-220	2.3	.7	.3	.0	.0							3.3	4.2	3.0
230-250	1.2	.3	.2	.1	.0							1.8	4.6	3.0
(W) 260-280	1.2	.1	.0									1.3	3.1	2.0
290-310	1.7	.7	.1		.0							2.5	4.0	3.0
320-340	3.2	3.2	1.5	.8	.4	.0						9.1	7.6	6.0
VARIABLE														
CALM	////////////////////											36.2	////////	
TOTALS	34.1	17.5	7.8	2.6	1.4	.2						100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	3.6	.4									8.0	4.7	4.0
020-040	2.5	.4										2.9	2.9	2.0
050-070	1.5	.2										1.7	2.8	2.0
(E) 080-100	2.3	.3										2.6	2.7	2.0
110-130	4.8	1.0	.2									6.0	3.3	2.0
140-160	6.3	2.7	1.9	.2	.6	.1	.1					11.8	6.4	4.0
(S) 170-190	4.7	2.6	1.2	.2	.2	.1						9.0	5.8	4.0
200-220	3.7	.9	.1		.1							4.8	3.6	3.0
230-250	2.1	.4	.1	.1								2.7	3.4	2.0
(W) 260-280	1.3	.1										1.5	2.5	2.0
290-310	2.2	1.0										3.2	3.5	2.0
320-340	4.3	3.7	.2									8.3	4.7	4.0
VARIABLE														
CALM	////////////////////											37.6	////////	
TOTALS	39.7	16.9	4.1	.5	.9	.2	.1					100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 1709

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		2.2	1.9	1.0	.3	.1	.0						5.3	6.6	6.0
020-040		1.2	.2	.0	.0	.0							1.5	3.5	3.0
050-070		1.1	.1	.0	.0	.0							1.2	2.7	2.0
(E) 080-100		1.6	.2	.0									1.8	3.1	3.0
110-130		8.3	2.0	.2	.0	.0	.0	.0					10.5	3.7	4.0
140-160		7.6	4.4	1.2	.4	.3	.1	.0					14.1	5.7	4.0
(S) 170-190		5.2	4.9	1.0	.2	.1	.0	.0					11.4	5.5	5.0
200-220		4.7	6.0	2.0	.1	.0	.0						12.8	6.1	6.0
230-250		2.2	3.1	1.0	.1	.0	.0						6.5	6.3	6.0
(W) 260-280		1.9	1.0	.1									3.0	4.2	4.0
290-310		2.2	1.4	.2	.0	.0							3.8	4.5	4.0
320-340		2.8	3.0	1.4	.4	.1	.0						7.7	6.9	6.0
VARIABLE															
CALM		////////////////////////////////////										20.2	////////		
TOTALS		41.0	28.2	8.1	1.5	.6	.1						100.0	4.3	4.0

TOTAL NUMBER OF OBSERVATIONS: 87640

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	3.0	.2									7.1	4.6	4.0
020-040	2.3	.4										2.7	2.9	2.0
050-070	1.5	.1										1.7	2.6	2.0
(E) 080-100	1.7	.3										2.0	3.0	2.0
110-130	5.1	1.8	.3	.0	.0							7.3	3.9	3.0
140-160	6.1	4.5	2.6	.8	1.1	.3	.0					15.4	7.8	6.0
(S) 170-190	4.7	4.7	1.5	.4	.5	.1						12.0	6.8	5.0
200-220	3.5	1.9	.6	.2	.1							6.3	5.2	4.0
230-250	1.7	.4	.1	.1	.0							2.4	4.2	3.0
(W) 260-280	1.2	.2										1.4	2.9	2.0
290-310	1.9	.7	.0	.0								2.7	3.6	3.0
320-340	3.2	3.3	.3									6.7	4.9	5.0
VARIABLE														
CALM	////////////////////											32.4	////////	
TOTALS	36.8	21.3	5.6	1.5	1.7	.4						100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS: 5234

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR
1/8 THRU 4/8.....SCATTERED
5/8 THRU 7/8.....BROKEN
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

L - 1 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.6	34.0	36.6	38.6	41.7	42.2	43.2	44.3	44.7	45.2	45.7	45.7	46.0	46.2	46.5	47.5
GE 20000	30.4	35.1	37.7	40.4	43.9	44.3	45.7	46.8	47.2	47.6	48.2	48.2	48.5	48.7	48.9	50.2
GE 18000	30.5	35.2	37.8	40.5	44.0	44.4	45.8	46.9	47.3	47.7	48.3	48.3	48.6	48.8	49.0	50.3
GE 16000	30.5	35.2	37.8	40.5	44.0	44.4	45.8	46.9	47.3	47.7	48.3	48.3	48.6	48.8	49.0	50.3
GE 14000	31.3	35.9	38.6	41.5	45.1	45.5	46.9	48.1	48.5	48.9	49.6	49.6	49.9	50.1	50.3	51.6
GE 12000	31.5	36.5	39.1	42.0	45.6	46.0	47.4	48.6	49.0	49.5	50.1	50.1	50.4	50.6	50.9	52.2
GE 10000	34.3	39.2	42.2	45.5	49.5	50.1	51.5	52.7	53.1	53.5	54.2	54.2	54.5	54.7	54.9	56.2
GE 9000	35.1	40.0	42.9	46.2	50.2	50.9	52.3	53.4	53.9	54.3	54.9	54.9	55.3	55.5	55.7	57.0
GE 8000	37.4	42.4	45.4	48.7	53.1	54.0	55.5	56.7	57.1	57.5	58.2	58.2	58.5	58.7	58.9	60.2
GE 7000	37.8	43.4	46.5	49.8	54.5	55.4	57.0	58.2	58.6	59.0	59.7	59.7	60.0	60.2	60.4	61.7
GE 6000	39.0	44.8	47.8	51.3	56.1	57.0	58.6	59.8	60.2	60.6	61.3	61.3	61.6	61.8	62.0	63.3
GE 5000	39.7	45.5	49.0	52.5	57.5	58.4	60.0	61.2	61.6	62.0	62.7	62.7	63.0	63.2	63.4	64.7
GE 4500	40.9	46.7	50.3	54.4	59.6	60.4	62.0	63.3	63.8	64.2	64.8	64.8	65.2	65.4	65.6	66.9
GE 4000	41.6	47.4	51.2	55.3	60.5	61.4	63.0	64.3	64.7	65.2	65.8	65.8	66.1	66.3	66.6	67.8
GE 3500	42.3	48.2	52.0	56.2	61.9	62.8	64.4	65.8	66.2	66.7	67.3	67.3	67.6	67.8	68.1	69.4
GE 3000	43.8	49.9	53.9	58.3	64.1	64.9	66.6	68.0	68.4	68.9	69.6	69.6	69.9	70.1	70.3	71.6
GE 2500	43.9	50.0	54.3	58.7	64.6	65.5	67.1	68.5	68.9	69.5	70.1	70.1	70.4	70.6	70.9	72.2
GE 2000	44.3	50.4	54.7	59.2	65.4	66.2	68.0	69.4	69.8	70.3	71.0	71.0	71.3	71.5	71.7	73.0
GE 1800	44.6	50.8	55.3	59.8	66.0	66.9	68.6	70.0	70.4	71.0	71.6	71.6	71.9	72.2	72.4	73.7
GE 1500	45.5	51.6	56.5	61.1	67.4	68.3	70.0	71.4	71.8	72.4	73.0	73.0	73.3	73.5	73.8	75.1
GE 1200	46.1	52.8	57.7	62.4	68.9	69.8	71.5	72.9	73.3	73.9	74.5	74.5	74.8	75.1	75.3	76.6
GE 1000	46.6	53.5	58.5	63.2	69.9	70.8	72.5	73.9	74.3	74.8	75.5	75.5	75.8	76.0	76.2	77.5
GE 900	46.9	54.1	59.2	64.2	71.2	72.0	73.8	75.2	75.6	76.1	76.8	76.8	77.1	77.3	77.5	78.8
GE 800	46.9	54.2	59.4	64.4	71.5	72.4	74.1	75.5	75.9	76.5	77.1	77.1	77.4	77.6	77.8	79.1
GE 700	47.2	54.6	59.9	65.2	73.0	73.9	75.8	77.2	77.6	78.2	78.8	78.8	79.1	79.4	79.6	80.9
GE 600	47.2	54.6	60.0	65.4	73.3	74.3	76.5	78.0	78.4	78.9	79.6	79.6	79.9	80.1	80.3	81.7
GE 500	47.2	54.7	60.3	65.7	74.4	75.9	77.2	79.7	80.1	80.6	81.3	81.3	81.6	81.8	82.0	83.4
GE 400	47.2	54.7	60.3	65.9	74.8	76.7	79.2	81.3	81.7	82.4	83.0	83.0	83.3	83.5	83.8	85.8
GE 300	47.3	54.8	60.4	66.0	75.1	76.9	79.7	82.4	83.2	84.1	84.8	84.8	85.3	85.9	86.6	88.9
GE 200	47.3	54.8	60.4	66.0	75.1	76.9	79.8	82.6	83.4	84.7	85.9	86.0	86.8	87.8	89.8	93.4
GE 100	47.3	54.8	60.4	66.0	75.1	76.9	80.0	82.9	83.8	85.2	86.6	86.9	88.0	89.9	92.6	98.5
GE 000	47.3	54.8	60.4	66.0	75.1	76.9	80.0	82.9	83.8	85.2	86.6	86.9	88.0	89.9	92.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.3	31.7	34.6	36.1	39.1	39.7	40.5	42.2	42.7	42.9	43.0	43.0	43.2	43.2	43.9	44.0
GE 20000	29.1	32.8	35.8	37.4	40.8	41.3	42.2	43.8	44.3	44.5	44.6	44.6	44.8	44.8	45.5	45.6
GE 18000	29.1	33.0	36.0	37.6	41.1	41.6	42.5	44.1	44.6	44.8	44.9	44.9	45.2	45.2	45.8	45.9
GE 16000	29.1	33.0	36.0	37.6	41.1	41.6	42.5	44.1	44.6	44.8	44.9	44.9	45.2	45.2	45.8	45.9
GE 14000	29.6	33.4	36.5	38.4	42.0	42.6	43.4	45.4	45.9	46.1	46.2	46.2	46.5	46.5	47.2	47.3
GE 12000	30.0	34.2	37.2	39.1	42.9	43.7	44.5	46.5	47.0	47.2	47.3	47.3	47.5	47.5	48.3	48.4
GE 10000	32.8	37.3	40.3	42.8	47.0	47.7	48.6	50.5	51.1	51.4	51.5	51.5	51.7	51.7	52.6	52.7
GE 9000	33.1	37.6	41.0	43.4	47.6	48.5	49.4	51.3	51.8	52.2	52.3	52.3	52.5	52.5	53.3	53.4
GE 8000	34.7	39.7	43.0	45.6	50.1	51.1	52.0	54.0	54.6	54.9	55.1	55.1	55.3	55.3	56.1	56.2
GE 7000	35.1	40.9	44.3	46.9	51.4	52.6	53.5	55.5	56.1	56.5	56.6	56.6	56.8	56.8	57.6	57.7
GE 6000	36.1	41.9	45.4	48.1	52.6	53.8	54.9	56.9	57.5	57.8	58.0	58.0	58.2	58.2	59.0	59.1
GE 5000	37.3	43.1	47.0	49.9	54.6	55.8	57.0	58.9	59.6	59.9	60.0	60.0	60.2	60.2	61.1	61.2
GE 4500	38.4	44.2	48.1	51.0	56.0	57.2	58.4	60.3	61.0	61.3	61.4	61.4	61.6	61.6	62.5	62.6
GE 4000	39.7	45.5	49.7	52.8	58.1	59.2	60.4	62.4	63.0	63.3	63.4	63.4	63.7	63.7	64.5	64.6
GE 3500	40.3	46.1	50.3	53.7	59.1	60.3	61.5	63.4	64.1	64.4	64.5	64.5	64.7	64.7	65.6	65.7
GE 3000	41.5	47.3	51.7	55.1	60.6	61.8	63.0	64.9	65.6	65.9	66.0	66.0	66.2	66.2	67.1	67.2
GE 2500	41.6	47.4	51.9	55.4	61.0	62.2	63.3	65.3	65.9	66.2	66.3	66.3	66.6	66.6	67.4	67.5
GE 2000	41.7	47.5	52.2	55.7	61.5	62.8	64.0	65.9	66.6	66.9	67.0	67.0	67.2	67.2	68.1	68.2
GE 1800	41.8	47.6	52.3	55.8	62.2	63.4	64.6	66.6	67.2	67.5	67.6	67.6	67.8	67.8	68.7	68.8
GE 1500	42.6	48.4	53.1	56.8	63.7	64.9	66.1	68.1	68.7	69.0	69.1	69.1	69.4	69.4	70.2	70.3
GE 1200	43.0	49.2	54.0	57.7	65.2	66.5	67.6	69.6	70.2	70.5	70.6	70.6	70.9	70.9	71.7	71.8
GE 1000	43.4	49.7	54.5	58.6	66.1	67.4	68.6	70.5	71.2	71.5	71.6	71.6	71.8	71.8	72.7	72.8
GE 900	43.4	49.9	54.7	58.8	66.5	67.7	68.9	70.9	71.5	71.9	72.0	72.0	72.3	72.3	73.1	73.2
GE 800	43.5	50.3	55.2	59.2	67.2	68.5	69.7	71.8	72.5	72.9	73.0	73.0	73.2	73.2	74.1	74.2
GE 700	43.9	50.6	55.5	59.6	68.0	69.2	70.5	72.8	73.4	73.9	74.0	74.0	74.2	74.2	75.1	75.2
GE 600	44.0	50.8	55.6	59.7	68.6	70.0	71.5	74.1	74.7	75.2	75.3	75.3	75.5	75.5	76.3	76.5
GE 500	44.1	51.0	56.2	60.5	70.2	71.9	74.1	77.0	77.6	78.1	78.2	78.2	78.4	78.4	79.2	79.7
GE 400	44.1	51.0	56.3	60.8	70.9	72.7	75.4	78.4	79.1	79.7	79.8	79.8	80.0	80.0	81.2	82.5
GE 300	44.1	51.0	56.3	60.9	71.2	73.3	76.1	79.9	81.2	81.7	82.4	82.5	83.0	83.2	84.8	86.5
GE 200	44.1	51.0	56.3	61.1	71.4	73.7	76.6	80.3	81.8	82.6	83.4	83.5	84.5	85.3	87.6	90.9
GE 100	44.1	51.0	56.3	61.1	71.4	73.7	76.7	80.4	82.2	83.0	84.3	84.5	85.8	87.8	90.9	97.4
GE 000	44.1	51.0	56.3	61.1	71.4	73.7	76.7	80.4	82.2	83.0	84.3	84.6	85.9	88.4	91.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.7	25.0	27.2	28.8	31.8	32.7	34.7	37.2	37.2	38.0	38.4	38.4	38.8	39.0	39.6	40.2
GE 20000	24.4	26.9	29.3	31.2	34.6	35.7	37.9	40.6	40.6	41.3	41.9	41.9	42.2	42.4	43.3	43.8
GE 18000	24.5	27.0	29.4	31.3	34.7	35.8	38.0	40.7	40.7	41.4	42.0	42.0	42.3	42.5	43.4	43.9
GE 16000	24.5	27.0	29.4	31.3	34.7	35.8	38.0	40.7	40.7	41.4	42.0	42.0	42.3	42.5	43.4	43.9
GE 14000	24.9	27.3	29.7	31.8	35.2	36.4	38.5	41.3	41.4	42.4	42.9	42.9	43.3	43.6	44.6	45.2
GE 12000	25.2	27.7	30.2	32.3	36.1	37.2	39.4	42.3	42.4	43.4	43.9	43.9	44.2	44.6	45.5	46.2
GE 10000	26.8	29.5	32.4	34.8	38.9	40.0	42.3	45.2	45.3	46.4	46.9	46.9	47.3	47.7	49.0	49.6
GE 9000	27.2	29.9	32.8	35.2	39.3	40.5	42.7	45.6	45.7	46.8	47.4	47.4	47.7	48.1	49.4	50.1
GE 8000	27.8	30.6	33.7	36.4	40.6	41.9	44.3	47.3	47.4	48.8	49.6	49.6	49.9	50.4	51.7	52.3
GE 7000	28.5	31.3	34.6	37.4	42.1	43.5	46.1	49.1	49.2	50.6	51.5	51.5	51.8	52.2	53.5	54.1
GE 6000	29.0	31.9	35.1	37.9	42.8	44.3	47.4	50.6	50.7	52.1	53.0	53.0	53.3	53.8	55.1	55.8
GE 5000	29.5	32.5	35.7	38.6	43.7	45.4	48.5	51.9	52.0	53.5	54.4	54.4	54.7	55.2	56.5	57.2
GE 4500	30.5	33.5	36.8	39.8	44.9	46.6	49.8	53.2	53.3	54.8	55.7	55.8	56.1	56.6	57.9	58.6
GE 4000	31.2	34.3	38.2	41.6	46.8	48.5	51.9	55.2	55.3	56.8	57.7	57.8	58.1	58.7	60.0	60.6
GE 3500	31.8	35.0	39.0	42.3	47.7	49.4	52.9	56.2	56.3	57.8	58.7	58.8	59.1	59.6	60.9	61.6
GE 3000	33.5	36.9	40.9	44.3	50.2	52.0	55.5	58.9	59.0	60.5	61.4	61.5	61.9	62.4	63.7	64.4
GE 2500	33.7	37.1	41.2	44.7	50.8	52.7	56.4	59.7	59.8	61.4	62.2	62.3	62.8	63.3	64.6	65.2
GE 2000	34.1	37.6	41.7	45.3	51.8	53.7	57.5	60.8	60.9	62.5	63.4	63.5	63.9	64.5	65.8	66.4
GE 1800	34.1	37.6	41.7	45.3	51.8	53.7	57.6	61.0	61.1	62.8	63.6	63.7	64.2	64.7	66.0	66.6
GE 1500	34.8	38.3	42.4	46.2	53.1	55.1	59.0	62.4	62.5	64.2	65.0	65.1	65.6	66.1	67.5	68.1
GE 1200	34.9	38.4	42.5	46.5	53.7	55.8	59.7	63.4	63.5	65.2	66.1	66.2	66.6	67.2	68.6	69.2
GE 1000	35.6	39.2	43.4	47.4	54.7	56.7	60.7	64.4	64.5	66.2	67.1	67.2	67.6	68.1	69.5	70.2
GE 900	35.8	39.5	43.7	47.8	55.1	57.3	61.2	64.9	65.0	66.7	67.6	67.7	68.1	68.7	70.1	70.7
GE 800	36.1	39.7	44.2	48.5	56.0	58.1	62.1	65.8	65.9	67.6	68.5	68.6	69.0	69.5	70.9	71.6
GE 700	36.2	39.8	44.6	48.9	56.9	59.1	63.4	67.4	67.5	69.2	70.1	70.2	70.6	71.2	72.7	73.3
GE 600	36.3	40.2	44.9	49.2	57.7	59.8	64.3	68.6	68.7	70.4	71.3	71.4	71.9	72.4	74.0	74.6
GE 500	36.7	40.7	45.7	50.4	59.2	61.7	66.5	70.9	71.0	72.9	73.7	73.8	74.4	74.9	76.4	77.1
GE 400	36.7	40.7	45.7	50.4	60.3	63.0	68.5	73.4	73.8	76.0	77.0	77.1	77.7	78.3	80.0	81.3
GE 300	36.8	40.8	45.9	50.6	60.8	63.8	69.8	76.1	77.5	80.1	81.8	81.9	83.0	84.2	85.9	87.4
GE 200	36.8	40.8	46.0	50.8	61.0	64.2	70.3	77.2	78.8	81.8	83.6	83.9	85.6	87.0	89.5	92.7
GE 100	36.8	40.8	46.0	50.8	61.0	64.2	70.3	77.2	78.9	82.0	84.0	84.2	86.2	88.5	92.4	98.9
GE 000	36.8	40.8	46.0	50.8	61.0	64.2	70.3	77.2	78.9	82.0	84.0	84.2	86.2	88.5	92.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.6	23.2	26.8	29.5	33.2	34.7	36.0	37.4	37.6	38.3	38.5	38.6	38.7	38.9	39.1	39.5
GE 20000	24.5	26.3	30.5	33.9	38.6	40.1	41.5	43.2	43.4	44.1	44.3	44.4	44.5	44.7	45.1	45.4
GE 18000	25.1	27.0	31.2	34.5	39.2	40.8	42.2	43.9	44.1	44.7	44.9	45.1	45.2	45.4	45.7	46.0
GE 16000	25.1	27.0	31.2	34.5	39.2	40.9	42.3	44.0	44.2	44.8	45.1	45.2	45.3	45.5	45.8	46.1
GE 14000	25.8	27.8	32.2	35.8	40.5	42.2	43.7	45.5	45.7	46.3	46.6	46.7	46.8	47.0	47.4	47.7
GE 12000	26.3	28.4	32.7	36.3	41.4	43.0	44.5	46.3	46.6	47.2	47.4	47.5	47.6	47.8	48.3	48.6
GE 10000	28.3	30.3	34.8	38.8	44.1	45.7	47.2	49.0	49.2	49.9	50.1	50.2	50.3	50.5	51.0	51.3
GE 9000	28.6	30.6	35.2	39.1	44.4	46.0	47.5	49.4	49.6	50.2	50.4	50.5	50.6	50.9	51.3	51.6
GE 8000	30.2	32.4	37.3	41.6	47.3	48.9	50.8	52.8	53.1	54.0	54.2	54.3	54.4	54.6	55.1	55.4
GE 7000	31.0	33.1	38.2	42.6	48.3	50.0	51.9	54.2	54.5	55.4	55.6	55.7	55.8	56.0	56.5	56.8
GE 6000	31.4	33.5	38.8	43.2	49.0	50.8	53.1	55.7	56.1	57.1	57.3	57.4	57.5	57.7	58.2	58.5
GE 5000	31.6	33.8	39.1	43.7	49.7	51.7	54.5	57.1	57.5	58.6	58.8	58.9	59.0	59.2	59.7	60.0
GE 4500	32.0	34.3	39.7	44.4	50.6	52.7	55.5	58.1	58.5	59.7	59.9	60.0	60.1	60.3	60.8	61.1
GE 4000	33.2	35.5	41.0	46.1	52.5	54.6	57.4	60.0	60.4	61.6	61.8	61.9	62.0	62.3	62.7	63.0
GE 3500	33.8	36.0	41.5	46.7	53.1	55.4	58.5	61.1	61.5	62.7	62.9	63.0	63.1	63.3	63.8	64.1
GE 3000	34.7	37.0	42.7	48.2	54.9	57.2	60.3	62.9	63.3	64.5	64.8	64.9	65.1	65.3	65.7	66.0
GE 2500	35.1	37.7	43.8	49.2	56.0	58.3	61.5	64.1	64.5	65.7	66.0	66.1	66.2	66.5	66.9	67.2
GE 2000	35.8	38.5	44.7	50.4	57.3	59.7	62.9	65.5	65.9	67.1	67.4	67.5	67.6	67.8	68.3	68.6
GE 1800	35.9	38.6	44.8	50.5	57.5	60.0	63.2	65.8	66.2	67.4	67.8	68.0	68.1	68.3	68.7	69.0
GE 1500	36.6	39.2	45.6	51.4	58.6	61.1	64.3	67.0	67.4	68.7	69.1	69.2	69.4	69.6	70.0	70.3
GE 1200	37.0	39.8	46.1	52.0	59.9	62.5	66.1	69.1	69.6	70.9	71.3	71.4	71.6	71.8	72.3	72.6
GE 1000	37.1	40.1	47.0	53.1	61.2	63.9	67.6	70.8	71.3	72.6	73.0	73.1	73.3	73.5	74.0	74.3
GE 900	37.1	40.2	47.3	53.5	61.8	64.5	68.5	71.6	72.2	73.4	73.9	74.0	74.2	74.4	74.8	75.2
GE 800	37.1	40.5	47.7	54.2	62.8	65.6	69.7	73.0	73.5	74.8	75.3	75.4	75.6	75.8	76.2	76.6
GE 700	37.2	40.6	48.0	54.6	63.5	66.3	70.9	74.6	75.2	76.5	77.0	77.1	77.3	77.5	78.0	78.3
GE 600	37.3	40.8	48.2	54.8	64.2	67.1	71.8	75.6	76.1	77.5	78.1	78.2	78.4	78.6	79.0	79.4
GE 500	37.4	41.0	48.5	55.2	65.3	68.5	73.5	77.6	78.2	79.7	80.5	80.6	80.9	81.1	81.5	81.8
GE 400	37.5	41.1	48.6	55.3	65.7	69.7	74.8	80.6	81.5	84.2	85.5	85.6	85.8	86.3	86.9	87.2
GE 300	37.5	41.1	48.6	55.3	65.8	69.8	75.3	81.6	83.4	86.7	88.5	88.9	89.5	90.4	91.2	91.5
GE 200	37.5	41.1	48.6	55.3	65.9	69.9	75.4	82.0	83.9	88.0	90.2	90.9	92.5	93.9	95.9	97.2
GE 100	37.5	41.1	48.6	55.3	65.9	69.9	75.4	82.0	83.9	88.0	90.2	91.0	93.2	94.8	97.5	100.0
GE 000	37.5	41.1	48.6	55.3	65.9	69.9	75.4	82.0	83.9	88.0	90.2	91.0	93.2	94.8	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.4	30.8	34.9	38.9	42.4	42.8	43.5	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000	33.1	36.0	41.5	45.9	50.0	50.4	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 18000	33.1	36.0	41.6	46.0	50.1	50.6	51.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 16000	33.2	36.2	41.8	46.2	50.3	50.9	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 14000	33.8	36.8	42.4	46.8	51.2	51.8	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 12000	34.3	37.3	42.9	47.3	52.2	52.9	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 10000	36.1	39.4	45.2	50.0	55.2	55.9	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 9000	36.5	39.7	45.5	50.3	55.5	56.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 8000	37.7	41.2	47.0	52.2	58.0	58.7	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	38.3	41.8	47.6	53.0	59.6	60.4	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 6000	39.0	42.6	48.4	53.8	60.3	61.2	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 5000	39.5	43.0	48.9	54.3	61.5	62.5	64.3	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500	40.8	44.6	50.6	56.0	63.3	64.3	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 4000	41.8	45.8	51.9	57.7	65.1	66.0	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 3500	42.9	46.9	53.1	59.0	66.7	67.6	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3000	43.9	48.0	54.2	60.4	68.5	69.9	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 2500	44.2	48.3	54.7	61.0	69.1	70.5	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 2000	45.1	49.1	56.0	62.4	70.6	72.0	74.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 1800	45.1	49.1	56.0	62.4	70.6	72.0	74.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 1500	45.7	49.8	56.9	63.5	72.2	73.5	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 1200	46.9	51.1	58.8	65.9	75.2	76.6	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1000	47.0	51.5	60.0	67.4	76.7	78.1	80.9	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 900	47.0	51.5	60.1	68.1	77.5	78.9	82.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 800	47.0	51.6	60.3	68.4	78.1	79.6	82.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 700	47.1	51.7	60.6	68.9	78.8	80.3	84.3	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
GE 600	47.1	51.7	60.8	69.0	79.1	80.8	84.8	86.3	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 500	47.1	51.8	61.3	69.8	81.1	83.3	88.5	90.4	90.8	91.3	91.5	91.5	91.5	91.5	91.5	91.5
GE 400	47.1	51.8	61.4	69.9	81.4	84.4	90.0	93.3	93.7	94.4	94.9	94.9	94.9	94.9	94.9	94.9
GE 300	47.1	51.8	61.4	69.9	81.4	84.6	90.5	95.4	96.1	97.2	98.2	98.3	98.6	98.6	98.7	98.7
GE 200	47.1	51.8	61.4	69.9	81.4	84.6	90.5	95.4	96.1	97.2	98.6	98.8	99.7	99.7	99.9	99.9
GE 100	47.1	51.8	61.4	69.9	81.4	84.6	90.5	95.4	96.1	97.2	98.6	98.8	99.7	99.7	100.0	100.0
GE 000	47.1	51.8	61.4	69.9	81.4	84.6	90.5	95.4	96.1	97.2	98.6	98.8	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.3	36.5	40.2	44.0	46.8	47.3	47.8	48.6	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9
GE 20000	38.9	42.2	46.7	51.0	54.4	54.9	55.8	56.6	56.6	56.7	56.8	56.8	56.9	56.9	56.9	56.9
GE 18000	39.0	42.5	47.0	51.3	54.7	55.4	56.2	57.0	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.3
GE 16000	39.1	42.6	47.1	51.4	54.8	55.5	56.3	57.1	57.1	57.2	57.3	57.3	57.4	57.4	57.4	57.4
GE 14000	39.8	43.2	47.7	52.0	56.3	57.0	57.8	58.6	58.6	58.7	58.8	58.8	58.9	58.9	58.9	58.9
GE 12000	40.8	44.2	48.7	53.1	57.8	58.5	59.5	60.2	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5
GE 10000	42.5	46.1	50.8	55.5	60.8	61.4	62.6	63.4	63.4	63.5	63.7	63.7	63.8	63.8	63.8	63.8
GE 9000	42.8	46.5	51.2	56.0	61.3	61.9	63.1	64.0	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.3
GE 8000	44.3	48.1	53.0	57.8	63.7	64.3	65.5	66.6	66.6	66.7	66.8	66.8	66.9	66.9	66.9	66.9
GE 7000	44.6	48.5	53.4	58.4	64.5	65.4	66.6	67.6	67.6	67.7	67.8	67.8	68.0	68.0	68.0	68.0
GE 6000	45.2	49.0	54.0	59.0	65.2	66.0	67.7	68.9	68.9	69.2	69.5	69.5	69.6	69.6	69.6	69.6
GE 5000	46.1	50.0	55.3	60.6	67.1	68.1	69.8	71.1	71.1	71.4	71.6	71.6	71.7	71.7	71.7	71.7
GE 4500	47.7	51.6	56.9	62.3	68.9	69.9	71.7	73.1	73.1	73.4	73.7	73.7	73.8	73.8	73.8	73.8
GE 4000	49.7	53.5	58.9	64.5	71.5	72.5	74.3	75.7	75.7	76.0	76.2	76.2	76.3	76.3	76.3	76.3
GE 3500	50.2	54.1	59.6	65.3	72.3	73.2	75.1	76.5	76.5	76.8	77.0	77.0	77.1	77.1	77.1	77.1
GE 3000	51.7	55.6	61.4	67.6	75.2	76.2	78.5	79.9	79.9	80.2	80.4	80.4	80.5	80.5	80.5	80.5
GE 2500	52.0	55.9	61.8	68.1	75.6	76.7	78.9	80.4	80.4	80.8	81.0	81.0	81.1	81.1	81.1	81.1
GE 2000	52.7	56.6	62.5	68.7	76.3	77.7	80.3	81.9	81.9	82.3	82.5	82.5	82.6	82.6	82.6	82.6
GE 1800	52.9	56.8	62.7	69.0	76.8	78.2	80.8	82.4	82.4	82.7	82.9	82.9	83.0	83.0	83.0	83.0
GE 1500	53.1	57.0	63.0	69.6	77.5	79.0	81.7	83.3	83.3	83.7	83.9	83.9	84.0	84.0	84.0	84.0
GE 1200	53.9	58.1	64.4	71.4	79.6	81.2	84.1	85.7	85.7	86.0	86.2	86.2	86.3	86.3	86.3	86.3
GE 1000	54.4	58.7	65.2	72.2	80.8	82.4	85.7	87.3	87.4	87.7	88.0	88.0	88.1	88.1	88.1	88.1
GE 900	54.5	59.0	65.7	72.9	81.8	83.5	87.0	88.6	88.7	89.0	89.2	89.2	89.4	89.4	89.4	89.4
GE 800	54.5	59.1	65.9	73.5	82.5	84.3	87.8	89.5	89.6	89.9	90.1	90.1	90.2	90.2	90.2	90.2
GE 700	54.7	59.4	66.3	74.2	83.4	85.7	89.4	91.2	91.3	91.6	91.8	91.8	91.9	91.9	91.9	91.9
GE 600	54.7	59.4	66.5	74.7	84.6	87.0	91.0	93.0	93.3	93.8	94.0	94.0	94.1	94.1	94.1	94.1
GE 500	54.7	59.5	66.8	75.1	85.6	88.1	92.5	95.3	95.7	96.1	96.3	96.3	96.5	96.5	96.5	96.5
GE 400	54.7	59.5	66.8	75.1	86.2	89.0	93.7	96.9	97.4	98.1	98.3	98.3	98.4	98.4	98.4	98.4
GE 300	54.7	59.5	66.8	75.1	86.2	89.1	94.3	98.1	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	54.7	59.5	66.8	75.1	86.2	89.1	94.3	98.1	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	54.7	59.5	66.8	75.1	86.2	89.1	94.3	98.1	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	54.7	59.5	66.8	75.1	86.2	89.1	94.3	98.1	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.3	40.0	43.1	45.1	48.1	48.8	49.4	50.1	50.3	50.6	50.8	50.8	51.1	51.2	51.2	51.2
GE 20000	38.8	42.8	46.9	49.2	52.8	53.5	54.3	55.1	55.3	55.6	55.7	55.7	56.0	56.1	56.1	56.1
GE 18000	38.9	42.9	47.0	49.4	52.9	53.7	54.4	55.2	55.4	55.7	55.8	55.8	56.1	56.2	56.2	56.2
GE 16000	39.2	43.2	47.3	49.7	53.2	54.0	54.7	55.5	55.7	56.0	56.1	56.1	56.5	56.6	56.6	56.6
GE 14000	40.8	44.8	48.9	51.3	54.8	55.6	56.9	57.6	57.8	58.2	58.3	58.3	58.6	58.7	58.7	58.7
GE 12000	41.5	45.8	49.9	52.4	56.2	57.1	58.6	59.4	59.6	59.9	60.0	60.0	60.3	60.4	60.4	60.4
GE 10000	44.7	49.1	53.3	56.1	60.4	61.6	63.3	64.1	64.3	64.7	64.8	64.8	65.2	65.3	65.3	65.3
GE 9000	44.8	49.2	53.5	56.3	60.8	61.9	63.7	64.4	64.7	65.3	65.4	65.4	65.7	65.8	65.8	65.8
GE 8000	46.7	51.2	55.6	58.4	63.3	64.5	66.2	67.0	67.3	67.8	68.0	68.0	68.3	68.4	68.4	68.4
GE 7000	46.7	51.7	56.2	59.0	64.4	65.6	67.3	68.1	68.4	68.9	69.0	69.0	69.4	69.5	69.5	69.5
GE 6000	47.3	52.4	56.9	59.8	65.7	66.9	68.6	69.6	69.9	70.4	70.5	70.5	70.9	71.0	71.0	71.0
GE 5000	48.6	53.7	58.4	61.5	67.7	69.1	70.9	71.8	72.2	72.7	72.8	72.8	73.1	73.2	73.2	73.2
GE 4500	49.8	54.8	59.6	62.7	68.9	70.4	72.2	73.2	73.5	74.1	74.2	74.2	74.5	74.6	74.6	74.6
GE 4000	51.5	56.6	61.3	64.6	71.2	72.7	74.5	75.6	75.9	76.5	76.6	76.6	76.9	77.0	77.0	77.0
GE 3500	52.5	57.5	62.3	65.6	72.2	73.7	75.5	76.6	76.9	77.4	77.5	77.5	77.8	78.0	78.0	78.0
GE 3000	53.8	58.9	63.9	67.3	74.3	75.8	77.6	78.7	79.0	79.6	79.7	79.7	80.0	80.1	80.1	80.1
GE 2500	54.2	59.4	64.4	67.8	74.8	76.3	78.2	79.4	79.7	80.2	80.3	80.3	80.6	80.8	80.8	80.8
GE 2000	54.7	60.0	65.2	68.6	75.9	77.4	79.4	80.5	80.9	81.4	81.5	81.5	81.8	81.9	81.9	81.9
GE 1800	54.8	60.1	65.3	68.7	76.0	77.5	79.6	80.8	81.1	81.6	81.7	81.7	82.0	82.2	82.2	82.2
GE 1500	55.2	60.4	66.0	69.5	76.8	78.3	80.3	81.5	81.8	82.4	82.5	82.5	82.8	82.9	82.9	82.9
GE 1200	56.0	61.9	67.7	71.7	79.2	80.8	82.9	84.1	84.4	85.1	85.2	85.2	85.5	85.6	85.6	85.6
GE 1000	56.6	62.6	68.6	72.6	80.4	81.9	84.4	85.6	85.9	86.6	86.7	86.7	87.0	87.1	87.1	87.1
GE 900	56.8	62.8	68.8	72.8	80.6	82.2	84.6	85.8	86.1	86.8	86.9	86.9	87.3	87.4	87.4	87.4
GE 800	56.9	63.0	69.1	73.1	81.2	82.8	85.3	86.5	86.8	87.4	87.5	87.5	88.0	88.1	88.1	88.1
GE 700	56.9	63.1	69.2	73.3	81.7	83.4	86.0	87.2	87.5	88.2	88.3	88.3	88.7	88.8	88.8	88.9
GE 600	56.9	63.1	69.2	74.3	83.5	85.5	88.6	89.8	90.1	90.8	90.9	90.9	91.3	91.4	91.4	91.5
GE 500	57.0	63.2	69.4	74.4	84.3	86.3	89.7	91.2	91.5	92.2	92.3	92.3	92.7	92.8	92.8	92.9
GE 400	57.0	63.2	69.5	74.6	85.4	87.5	91.1	92.9	93.4	94.1	94.2	94.2	94.6	94.7	94.7	95.1
GE 300	57.0	63.2	69.5	74.6	85.6	87.8	91.5	93.8	94.4	95.2	95.3	95.3	95.8	95.9	95.9	96.3
GE 200	57.0	63.2	69.5	74.6	85.6	88.0	91.8	94.8	95.9	96.8	97.0	97.0	97.5	97.7	97.8	98.5
GE 100	57.0	63.2	69.5	74.6	85.6	88.0	91.8	94.8	95.9	96.9	97.1	97.1	97.7	98.4	98.5	99.5
GE 000	57.0	63.2	69.5	74.6	85.6	88.0	91.8	94.8	95.9	96.9	97.1	97.1	97.7	98.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.3	38.5	41.4	43.0	47.4	47.7	48.4	49.2	49.7	50.0	50.1	50.1	50.3	50.4	50.6	51.3
GE 20000	35.7	40.2	43.5	45.4	49.8	50.1	51.0	51.8	52.3	52.6	52.7	52.7	52.9	53.0	53.3	54.0
GE 18000	36.2	40.8	44.1	45.9	50.3	50.6	51.5	52.4	52.8	53.1	53.2	53.2	53.4	53.5	53.9	54.5
GE 16000	36.2	40.8	44.1	45.9	50.3	50.6	51.5	52.4	52.8	53.1	53.2	53.2	53.4	53.5	53.9	54.5
GE 14000	37.5	42.0	45.4	47.2	51.6	51.9	53.1	54.0	54.4	54.7	54.9	54.9	55.2	55.3	55.8	56.5
GE 12000	37.8	42.7	46.0	47.8	52.4	52.7	54.0	54.8	55.3	55.6	55.8	55.8	56.0	56.1	56.7	57.3
GE 10000	42.2	47.1	50.6	53.0	58.4	58.9	60.4	61.3	61.7	62.0	62.3	62.3	62.5	62.6	63.1	63.8
GE 9000	42.8	47.7	51.3	53.7	59.0	59.7	61.2	62.0	62.5	62.8	63.0	63.0	63.2	63.3	63.9	64.5
GE 8000	44.5	49.3	53.1	55.5	61.2	61.8	63.5	64.4	64.8	65.2	65.4	65.4	65.6	65.7	66.2	66.9
GE 7000	44.7	50.2	53.8	56.1	62.3	62.9	64.6	65.5	65.9	66.2	66.5	66.5	66.7	66.8	67.3	68.0
GE 6000	45.5	51.2	54.8	57.4	63.5	64.2	65.9	66.8	67.2	67.5	67.7	67.7	68.0	68.1	68.6	69.2
GE 5000	46.5	52.4	56.3	58.9	65.2	65.8	67.5	68.4	68.8	69.1	69.4	69.4	69.6	69.7	70.2	70.9
GE 4500	47.8	53.9	58.0	60.6	66.9	67.5	69.5	70.5	71.0	71.3	71.5	71.5	71.7	71.8	72.4	73.0
GE 4000	49.1	55.4	59.6	62.4	68.7	69.4	71.3	72.4	72.8	73.1	73.3	73.3	73.5	73.7	74.2	74.8
GE 3500	49.8	56.0	60.2	63.2	69.7	70.3	72.3	73.3	73.8	74.1	74.3	74.3	74.5	74.6	75.2	75.8
GE 3000	50.9	57.2	61.4	64.4	71.2	71.8	73.8	74.8	75.3	75.6	75.8	75.8	76.0	76.1	76.7	77.3
GE 2500	51.3	57.6	61.9	64.9	71.7	72.4	74.3	75.4	75.8	76.1	76.3	76.3	76.6	76.7	77.2	77.8
GE 2000	51.8	58.2	62.7	65.7	72.9	73.8	75.8	76.9	77.3	77.6	77.8	77.8	78.2	78.3	78.8	79.5
GE 1800	51.9	58.3	62.9	65.9	73.1	74.0	76.0	77.1	77.5	77.8	78.1	78.1	78.4	78.5	79.0	79.7
GE 1500	52.4	58.7	64.1	67.1	74.4	75.3	77.3	78.5	78.9	79.2	79.5	79.5	79.8	79.9	80.4	81.1
GE 1200	52.4	59.0	64.5	67.7	75.1	75.9	78.0	79.1	79.6	79.9	80.1	80.1	80.4	80.5	81.1	81.7
GE 1000	53.1	60.1	65.7	69.0	76.3	77.2	79.2	80.4	80.9	81.2	81.4	81.4	81.7	81.8	82.4	83.0
GE 900	53.7	60.9	66.5	70.1	77.6	78.5	80.5	81.7	82.2	82.5	82.7	82.7	83.0	83.1	83.8	84.4
GE 800	53.9	61.2	67.2	71.2	78.8	79.7	81.7	82.9	83.3	83.7	83.9	83.9	84.2	84.3	84.9	85.6
GE 700	54.0	61.3	67.3	71.4	79.1	80.2	82.3	83.4	83.9	84.3	84.5	84.5	84.9	85.1	85.8	86.7
GE 600	54.0	61.3	67.5	72.0	80.1	81.3	83.8	84.9	85.4	85.8	86.0	86.0	86.5	86.6	87.3	88.2
GE 500	54.0	61.3	67.5	72.5	81.5	83.2	85.7	86.9	87.3	87.7	88.0	88.0	88.4	88.5	89.2	90.1
GE 400	54.0	61.3	67.5	72.7	82.2	84.1	86.8	88.2	88.7	89.1	89.4	89.4	89.8	89.9	90.6	92.2
GE 300	54.0	61.3	67.5	72.7	82.3	84.2	87.0	89.0	89.6	90.2	90.8	90.8	91.3	91.5	92.5	94.3
GE 200	54.0	61.3	67.5	72.7	82.3	84.2	87.0	89.4	90.0	91.1	91.9	91.9	92.9	93.1	94.4	96.3
GE 100	54.0	61.3	67.5	72.7	82.3	84.2	87.0	89.4	90.1	91.2	92.3	92.4	93.3	94.0	95.9	99.2
GE 000	54.0	61.3	67.5	72.7	82.3	84.2	87.0	89.4	90.1	91.2	92.3	92.4	93.3	94.0	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: - 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.3	32.5	35.6	38.0	41.3	42.0	42.9	44.1	44.4	44.7	44.9	44.9	45.1	45.2	45.5	45.8
GE 20000	31.9	35.3	39.0	41.8	45.6	46.3	47.5	48.7	48.9	49.3	49.5	49.5	49.7	49.8	50.1	50.5
GE 18000	32.1	35.5	39.3	42.1	45.9	46.6	47.8	49.0	49.2	49.6	49.8	49.8	50.0	50.1	50.4	50.8
GE 16000	32.1	35.6	39.3	42.2	46.0	46.7	47.9	49.1	49.3	49.7	49.9	49.9	50.1	50.2	50.5	50.9
GE 14000	32.9	36.4	40.2	43.1	47.1	47.9	49.1	50.5	50.7	51.1	51.3	51.4	51.6	51.7	52.0	52.4
GE 12000	33.4	37.1	40.9	43.8	48.1	48.9	50.2	51.6	51.8	52.2	52.4	52.4	52.6	52.8	53.1	53.5
GE 10000	36.0	39.8	43.7	47.1	51.8	52.7	54.1	55.5	55.7	56.1	56.4	56.4	56.6	56.7	57.1	57.5
GE 9000	36.4	40.2	44.2	47.5	52.3	53.2	54.6	56.0	56.2	56.7	56.9	56.9	57.1	57.3	57.7	58.1
GE 8000	37.9	41.9	46.0	49.5	54.7	55.7	57.2	58.6	58.9	59.4	59.7	59.7	59.9	60.0	60.5	60.8
GE 7000	38.3	42.6	46.8	50.4	55.9	57.0	58.6	60.1	60.4	60.9	61.1	61.2	61.4	61.5	61.9	62.3
GE 6000	39.1	43.4	47.7	51.3	56.9	58.0	59.9	61.5	61.8	62.3	62.6	62.6	62.8	63.0	63.4	63.8
GE 5000	39.8	44.2	48.7	52.5	58.4	59.6	61.6	63.2	63.5	64.0	64.3	64.3	64.5	64.7	65.1	65.5
GE 4500	41.0	45.4	50.0	53.9	59.9	61.1	63.2	64.8	65.1	65.7	66.0	66.0	66.2	66.4	66.8	67.2
GE 4000	42.2	46.8	51.5	55.6	61.8	63.0	65.1	66.8	67.1	67.6	67.9	68.0	68.2	68.3	68.7	69.1
GE 3500	42.9	47.5	52.3	56.5	62.8	64.1	66.2	67.9	68.2	68.8	69.1	69.1	69.3	69.4	69.9	70.2
GE 3000	44.2	48.9	53.8	58.2	64.9	66.2	68.5	70.1	70.4	71.0	71.3	71.4	71.6	71.7	72.1	72.5
GE 2500	44.5	49.2	54.3	58.7	65.5	66.8	69.1	70.8	71.1	71.7	72.0	72.0	72.3	72.4	72.8	73.2
GE 2000	45.0	49.7	55.0	59.5	66.5	67.9	70.3	72.0	72.3	72.9	73.2	73.3	73.5	73.6	74.1	74.4
GE 1800	45.2	49.9	55.1	59.7	66.8	68.2	70.6	72.4	72.7	73.3	73.6	73.6	73.8	74.0	74.4	74.8
GE 1500	45.7	50.4	55.9	60.6	68.0	69.4	71.8	73.6	73.9	74.6	74.9	74.9	75.1	75.3	75.7	76.1
GE 1200	46.3	51.3	57.0	61.9	69.6	71.1	73.6	75.5	75.8	76.4	76.8	76.8	77.0	77.2	77.6	78.0
GE 1000	46.7	51.9	57.9	62.9	70.8	72.3	75.0	76.8	77.2	77.8	78.1	78.2	78.4	78.5	79.0	79.4
GE 900	46.9	52.2	58.3	63.5	71.5	73.1	75.8	77.7	78.0	78.7	79.0	79.1	79.3	79.5	79.9	80.3
GE 800	47.0	52.5	58.6	64.1	72.3	73.9	76.7	78.6	78.9	79.6	79.9	79.9	80.2	80.3	80.8	81.2
GE 700	47.1	52.7	58.9	64.5	73.1	74.8	77.8	79.9	80.3	80.9	81.3	81.3	81.6	81.7	82.2	82.6
GE 600	47.2	52.7	59.1	64.9	73.9	75.7	79.0	81.3	81.6	82.4	82.7	82.8	83.0	83.2	83.7	84.1
GE 500	47.3	52.9	59.5	65.4	75.2	77.4	81.1	83.6	84.0	84.8	85.2	85.3	85.5	85.7	86.2	86.6
GE 400	47.3	52.9	59.5	65.6	75.9	78.4	82.4	85.6	86.2	87.2	87.8	87.8	88.1	88.3	88.8	89.7
GE 300	47.3	52.9	59.6	65.6	76.0	78.7	83.0	87.0	88.0	89.3	90.2	90.3	90.8	91.2	91.9	92.9
GE 200	47.3	52.9	59.6	65.7	76.1	78.8	83.2	87.5	88.6	90.2	91.3	91.5	92.4	93.1	94.4	96.1
GE 100	47.3	52.9	59.6	65.7	76.1	78.8	83.3	87.5	88.7	90.4	91.6	91.8	93.0	94.1	96.0	99.2
GE 000	47.3	52.9	59.6	65.7	76.1	78.8	83.3	87.5	88.7	90.4	91.6	91.8	93.0	94.2	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.3	58.6	59.6	60.9	62.9	63.2	63.7	64.3	64.4	64.5	64.5	64.5	64.5	64.7	64.9	65.5
GE 20000	60.5	61.9	62.9	64.3	66.4	66.8	67.3	67.8	68.0	68.1	68.1	68.1	68.1	68.2	68.4	69.0
GE 18000	60.6	62.1	63.0	64.4	66.5	66.9	67.4	68.0	68.1	68.2	68.2	68.2	68.2	68.3	68.6	69.1
GE 16000	60.9	62.3	63.2	64.7	66.8	67.1	67.6	68.2	68.3	68.4	68.4	68.4	68.4	68.6	68.8	69.4
GE 14000	62.8	64.4	65.6	67.1	69.6	70.0	70.6	71.2	71.3	71.4	71.4	71.4	71.4	71.5	71.7	72.3
GE 12000	64.1	65.7	66.9	68.4	70.9	71.3	71.9	72.5	72.6	72.7	72.7	72.7	72.7	72.8	73.0	73.6
GE 10000	67.6	69.3	70.8	72.6	75.1	75.4	76.0	76.6	76.7	76.8	76.8	76.8	76.8	77.0	77.2	77.8
GE 9000	67.6	69.3	70.8	72.6	75.1	75.4	76.0	76.6	76.7	76.8	76.8	76.8	76.8	77.0	77.2	77.8
GE 8000	70.1	71.7	73.4	75.4	77.9	78.3	78.8	79.4	79.6	79.7	79.7	79.7	79.7	79.8	80.0	80.6
GE 7000	71.0	72.7	74.3	76.5	79.0	79.3	79.9	80.5	80.6	80.7	80.7	80.7	80.7	80.9	81.1	81.7
GE 6000	72.8	74.5	76.2	78.4	80.9	81.2	81.8	82.4	82.5	82.6	82.6	82.6	82.6	82.7	83.0	83.6
GE 5000	74.1	75.8	77.5	79.8	82.4	82.7	83.3	83.9	84.0	84.2	84.2	84.2	84.2	84.3	84.5	85.1
GE 4500	75.9	77.5	79.3	81.6	84.2	84.5	85.1	85.7	85.8	85.9	85.9	85.9	85.9	86.1	86.3	86.9
GE 4000	78.1	79.8	81.7	83.9	86.5	86.9	87.5	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.7	89.2
GE 3500	78.3	79.9	81.8	84.2	86.8	87.1	87.7	88.3	88.4	88.5	88.5	88.5	88.5	88.7	88.9	89.5
GE 3000	80.1	81.9	83.8	86.3	89.0	89.4	90.0	90.5	90.7	90.8	90.8	90.8	90.8	90.9	91.1	91.7
GE 2500	80.5	82.3	84.4	86.9	89.7	90.1	90.7	91.3	91.4	91.5	91.5	91.5	91.5	91.6	91.8	92.4
GE 2000	81.4	83.5	85.9	88.7	91.5	91.8	92.6	93.1	93.3	93.4	93.4	93.4	93.4	93.5	93.7	94.3
GE 1800	81.4	83.5	85.9	88.7	91.5	91.8	92.6	93.1	93.3	93.4	93.4	93.4	93.4	93.5	93.7	94.3
GE 1500	81.7	83.7	86.2	88.9	91.7	92.1	92.8	93.4	93.5	93.6	93.6	93.6	93.6	93.7	94.0	94.6
GE 1200	82.0	84.0	87.0	90.0	93.1	93.5	94.3	94.9	95.0	95.2	95.2	95.2	95.2	95.3	95.5	96.1
GE 1000	82.5	84.5	87.5	90.4	93.7	94.1	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.2	96.5	97.0
GE 900	82.5	84.5	87.5	90.4	93.7	94.1	95.4	96.0	96.1	96.2	96.2	96.2	96.2	96.3	96.6	97.2
GE 800	82.6	84.6	87.6	90.5	93.9	94.2	95.5	96.1	96.2	96.3	96.3	96.3	96.3	96.5	96.7	97.3
GE 700	82.6	84.6	87.6	90.5	93.9	94.2	95.5	96.1	96.2	96.3	96.3	96.3	96.3	96.5	96.7	97.3
GE 600	82.6	84.6	87.6	90.5	93.9	94.2	95.5	96.1	96.2	96.3	96.3	96.3	96.3	96.5	96.7	97.3
GE 500	82.6	84.6	87.6	90.5	94.2	94.6	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8	97.0	97.6
GE 400	82.6	84.6	87.6	90.5	94.2	94.6	95.9	96.5	96.7	96.8	96.8	96.8	96.8	96.9	97.2	97.8
GE 300	82.6	84.6	87.6	90.5	94.2	94.6	96.0	96.6	96.8	96.9	96.9	96.9	96.9	97.0	97.4	98.0
GE 200	82.6	84.6	87.6	90.5	94.2	94.6	96.0	96.6	96.8	96.9	96.9	96.9	96.9	97.2	97.5	98.3
GE 100	82.6	84.6	87.6	90.5	94.2	94.6	96.0	96.7	96.9	97.0	97.0	97.0	97.0	97.3	98.0	99.3
GE 000	82.6	84.6	87.6	90.5	94.2	94.6	96.0	96.7	96.9	97.0	97.0	97.0	97.0	97.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.8	56.5	57.6	58.2	59.8	60.9	61.8	62.1	62.2	62.6	62.8	62.8	62.8	62.9	63.4	64.1
GE 20000	58.4	61.5	62.5	63.2	65.0	66.1	67.0	67.3	67.4	67.8	68.0	68.0	68.0	68.1	68.6	69.3
GE 18000	58.4	61.5	62.5	63.2	65.0	66.1	67.0	67.3	67.4	67.8	68.0	68.0	68.0	68.1	68.6	69.3
GE 16000	58.5	61.6	62.6	63.4	65.1	66.2	67.1	67.4	67.5	68.0	68.1	68.1	68.1	68.2	68.7	69.4
GE 14000	58.5	63.7	64.8	65.5	67.5	68.8	69.9	70.1	70.2	70.7	70.8	70.8	70.8	70.9	71.4	72.1
GE 12000	61.5	64.7	65.7	66.4	68.7	70.0	71.0	71.3	71.4	71.9	72.0	72.0	72.0	72.1	72.6	73.3
GE 10000	64.1	67.3	68.7	69.5	71.7	73.0	74.1	74.3	74.5	75.2	75.3	75.3	75.4	75.5	76.0	76.7
GE 9000	64.2	67.4	68.8	69.6	71.9	73.2	74.2	74.5	74.6	75.3	75.4	75.4	75.5	75.7	76.1	76.8
GE 8000	65.8	69.0	70.4	71.3	73.5	74.8	75.9	76.1	76.2	77.0	77.1	77.1	77.2	77.3	77.8	78.5
GE 7000	66.7	70.0	71.4	72.2	74.5	75.8	76.8	77.1	77.2	77.9	78.0	78.0	78.1	78.3	78.7	79.4
GE 6000	68.6	71.9	73.3	74.1	76.4	77.7	78.7	79.0	79.1	79.8	79.9	79.9	80.0	80.1	80.6	81.3
GE 5000	70.7	74.3	75.9	76.7	79.1	80.4	81.4	81.7	81.8	82.5	82.6	82.6	82.7	82.9	83.3	84.0
GE 4500	72.7	76.4	78.3	79.4	81.8	83.1	84.2	84.4	84.5	85.2	85.3	85.3	85.5	85.6	86.1	86.8
GE 4000	75.3	79.3	81.2	82.5	85.0	86.3	87.4	87.6	87.7	88.4	88.5	88.5	88.7	88.8	89.2	90.0
GE 3500	75.5	79.6	81.4	82.9	85.3	86.6	87.7	87.9	88.1	88.8	88.9	88.9	89.0	89.1	89.6	90.3
GE 3000	75.9	79.9	82.0	83.8	86.6	87.9	89.0	89.2	89.4	90.1	90.2	90.2	90.3	90.4	90.9	91.6
GE 2500	76.1	80.4	82.5	84.4	87.2	88.5	89.6	89.8	90.0	90.7	90.8	90.8	90.9	91.0	91.5	92.2
GE 2000	77.0	81.6	83.8	85.9	88.8	90.2	91.3	91.5	91.6	92.3	92.4	92.4	92.6	92.7	93.1	93.9
GE 1800	77.2	81.8	84.0	86.2	89.0	90.4	91.5	91.7	91.8	92.6	92.7	92.7	92.8	92.9	93.4	94.1
GE 1500	77.8	82.4	84.9	87.0	90.1	91.5	92.7	92.9	93.0	93.7	93.9	93.9	94.0	94.1	94.6	95.3
GE 1200	77.8	82.4	84.9	87.0	90.1	91.5	92.7	92.9	93.0	93.7	93.9	93.9	94.0	94.1	94.6	95.3
GE 1000	78.4	83.0	85.5	87.9	91.0	92.4	93.6	93.9	94.0	94.7	94.8	94.8	94.9	95.0	95.5	96.2
GE 900	78.4	83.0	85.5	87.9	91.1	92.6	93.7	94.0	94.1	94.8	94.9	94.9	95.0	95.2	95.6	96.3
GE 800	78.4	83.0	85.5	87.9	91.1	92.6	93.7	94.0	94.1	94.8	94.9	94.9	95.0	95.2	95.6	96.3
GE 700	78.5	83.1	85.6	88.1	91.3	92.7	93.9	94.1	94.2	94.9	95.0	95.0	95.2	95.3	95.7	96.5
GE 600	78.5	83.1	85.6	88.1	91.3	92.7	93.9	94.1	94.6	95.3	95.4	95.4	95.5	95.6	96.1	96.9
GE 500	78.5	83.1	85.6	88.1	91.6	93.0	94.2	94.4	94.9	95.6	95.7	95.7	95.9	96.0	96.5	97.3
GE 400	78.5	83.1	85.7	88.2	91.7	93.1	94.3	94.6	95.2	95.9	96.0	96.0	96.1	96.2	96.7	97.5
GE 300	78.5	83.1	85.7	88.2	91.7	93.1	94.4	94.7	95.3	96.0	96.1	96.1	96.2	96.3	96.8	97.6
GE 200	78.5	83.1	85.7	88.2	91.8	93.3	94.6	94.9	95.5	96.2	96.5	96.6	96.7	96.8	97.4	98.3
GE 100	78.5	83.1	85.7	88.2	91.8	93.3	94.6	94.9	95.5	96.2	96.5	96.6	96.8	96.9	97.5	98.9
GE 000	78.5	83.1	85.7	88.2	91.8	93.3	94.6	94.9	95.5	96.2	96.5	96.6	96.8	96.9	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	50.0	52.5	54.8	56.5	57.0	57.9	58.6	58.9	59.3	59.9	59.9	60.2	60.2	60.4	61.1
GE 20000	52.0	54.1	56.7	59.7	61.5	61.9	62.9	63.6	63.8	64.3	64.9	64.9	65.2	65.2	65.5	66.2
GE 18000	52.4	54.5	57.1	60.0	61.8	62.3	63.2	63.9	64.2	64.7	65.2	65.2	65.6	65.6	65.8	66.5
GE 16000	52.4	54.5	57.1	60.0	61.8	62.3	63.2	63.9	64.2	64.7	65.2	65.2	65.6	65.6	65.8	66.5
GE 14000	53.8	56.3	58.9	61.9	63.8	64.3	65.4	66.1	66.3	67.0	67.6	67.6	68.0	68.0	68.2	68.9
GE 12000	55.4	57.9	60.6	63.7	65.8	66.3	67.4	68.1	68.3	69.0	69.6	69.6	70.0	70.0	70.2	70.9
GE 10000	57.4	60.2	63.0	66.2	68.4	68.9	70.1	70.8	71.0	71.7	72.3	72.3	72.7	72.7	72.9	73.6
GE 9000	57.6	60.3	63.1	66.3	68.6	69.0	70.2	70.9	71.2	71.9	72.5	72.5	72.8	72.8	73.0	73.8
GE 8000	59.5	62.3	65.4	68.7	70.9	71.4	72.6	73.5	73.8	74.5	75.1	75.1	75.4	75.4	75.7	76.5
GE 7000	60.0	62.9	66.0	69.3	71.6	72.1	73.3	74.2	74.5	75.2	75.8	75.8	76.1	76.1	76.4	77.2
GE 6000	61.8	64.7	67.7	71.0	73.4	73.9	75.1	76.0	76.2	77.0	77.5	77.5	77.9	77.9	78.1	79.0
GE 5000	63.8	67.0	70.2	73.6	76.1	76.7	77.9	78.8	79.1	79.8	80.4	80.4	80.7	80.7	81.0	81.8
GE 4500	64.8	68.0	71.3	74.7	77.2	77.9	79.1	80.0	80.3	81.0	81.6	81.6	81.9	81.9	82.2	83.0
GE 4000	67.1	70.6	74.0	77.9	80.9	81.6	82.7	83.7	83.9	84.6	85.2	85.2	85.6	85.6	85.8	86.6
GE 3500	67.7	71.3	74.7	78.7	81.7	82.4	83.6	84.5	84.8	85.5	86.1	86.1	86.4	86.4	86.6	87.5
GE 3000	68.7	72.2	75.9	80.0	83.2	84.0	85.2	86.2	86.4	87.1	87.7	87.7	88.1	88.1	88.3	89.1
GE 2500	68.9	72.6	76.2	80.4	83.9	84.8	86.1	87.0	87.2	87.9	88.5	88.5	88.9	88.9	89.1	90.0
GE 2000	70.1	73.9	77.8	81.9	85.5	86.4	87.7	88.7	88.9	89.6	90.2	90.2	90.5	90.5	90.8	91.6
GE 1800	70.6	74.3	78.3	82.4	86.1	87.0	88.3	89.2	89.5	90.2	90.8	90.8	91.1	91.1	91.4	92.2
GE 1500	70.9	74.8	78.7	82.9	86.6	87.6	88.9	89.8	90.1	90.8	91.4	91.4	91.8	91.8	92.1	92.9
GE 1200	71.6	75.7	79.7	83.8	87.6	88.5	89.8	90.8	91.3	92.0	92.6	92.6	93.0	93.0	93.3	94.1
GE 1000	71.9	75.9	79.9	84.2	88.1	89.0	90.3	91.3	91.7	92.4	93.0	93.0	93.5	93.5	93.7	94.6
GE 900	71.9	75.9	79.9	84.2	88.1	89.0	90.3	91.3	91.7	92.4	93.0	93.0	93.5	93.6	93.9	94.7
GE 800	71.9	75.9	79.9	84.2	88.3	89.2	90.7	91.6	92.1	92.8	93.4	93.5	94.0	94.1	94.3	95.2
GE 700	71.9	75.9	79.9	84.2	88.4	89.4	90.8	91.7	92.2	92.9	93.5	93.6	94.1	94.2	94.4	95.3
GE 600	72.0	76.0	80.0	84.3	88.7	89.6	91.0	92.0	92.4	93.1	93.7	93.9	94.3	94.4	94.7	95.6
GE 500	72.2	76.2	80.3	84.6	89.1	90.1	91.5	92.6	93.0	93.7	94.3	94.4	94.9	95.0	95.3	96.2
GE 400	72.3	76.4	80.4	84.8	89.4	90.3	92.0	93.0	93.7	94.6	95.2	95.3	95.7	95.9	96.1	97.0
GE 300	72.3	76.4	80.4	84.8	89.4	90.3	92.0	93.0	93.7	94.7	95.3	95.4	96.0	96.1	96.3	97.6
GE 200	72.3	76.4	80.4	84.8	89.4	90.3	92.0	93.0	93.7	94.9	95.7	95.9	96.5	96.6	96.8	98.2
GE 100	72.3	76.4	80.4	84.8	89.4	90.3	92.0	93.0	93.7	94.9	95.7	95.9	96.6	96.7	97.2	99.3
GE 000	72.3	76.4	80.4	84.8	89.4	90.3	92.0	93.0	93.7	94.9	95.7	95.9	96.6	96.7	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.7	48.8	52.8	55.4	57.2	57.4	57.9	58.2	58.4	58.6	58.9	58.9	59.0	59.1	59.2	59.2
GE 20000	53.0	55.4	59.8	62.8	64.5	64.8	65.2	65.5	65.7	66.1	66.3	66.3	66.4	66.5	66.7	66.7
GE 18000	53.8	56.3	60.6	63.6	65.4	65.6	66.1	66.3	66.5	66.9	67.1	67.1	67.3	67.4	67.5	67.5
GE 16000	54.0	56.5	60.9	63.8	65.6	65.8	66.3	66.5	66.8	67.1	67.4	67.4	67.5	67.6	67.7	67.7
GE 14000	55.3	57.8	62.3	65.2	67.0	67.3	67.7	68.0	68.2	68.6	68.8	68.8	68.9	69.0	69.1	69.1
GE 12000	58.0	60.5	65.1	68.1	69.9	70.1	70.6	70.8	71.0	71.4	71.6	71.6	71.7	71.9	72.0	72.0
GE 10000	61.1	63.6	68.3	71.5	73.3	73.5	74.0	74.2	74.5	74.8	75.1	75.1	75.2	75.3	75.4	75.4
GE 9000	61.1	63.6	68.3	71.5	73.3	73.5	74.0	74.2	74.5	74.8	75.1	75.1	75.2	75.3	75.4	75.4
GE 8000	63.0	65.5	70.2	73.4	75.2	75.4	76.0	76.2	76.5	76.8	77.1	77.1	77.2	77.3	77.4	77.4
GE 7000	63.9	66.5	71.4	74.7	76.5	76.7	77.3	77.5	77.8	78.1	78.4	78.4	78.5	78.6	78.7	78.7
GE 6000	64.9	67.7	72.9	76.2	78.0	78.3	78.8	79.1	79.3	79.7	79.9	79.9	80.0	80.1	80.3	80.3
GE 5000	66.1	68.9	74.1	77.5	79.3	79.7	80.3	80.5	80.7	81.1	81.3	81.3	81.4	81.6	81.7	81.7
GE 4500	67.8	70.7	75.9	79.6	81.7	82.0	82.6	82.9	83.1	83.5	83.7	83.7	83.8	83.9	84.0	84.0
GE 4000	68.9	71.9	77.8	81.6	83.8	84.2	84.8	85.0	85.2	85.6	85.8	85.8	85.9	86.1	86.2	86.2
GE 3500	69.1	72.2	78.1	82.2	84.4	84.8	85.3	85.7	85.9	86.3	86.5	86.5	86.6	86.8	86.9	86.9
GE 3000	70.2	73.3	79.2	83.5	86.4	86.8	87.4	87.8	88.1	88.4	88.7	88.7	88.8	88.9	89.0	89.0
GE 2500	70.3	73.4	79.4	83.8	86.8	87.1	87.7	88.2	88.4	89.0	89.2	89.2	89.4	89.5	89.6	89.6
GE 2000	71.4	74.5	80.5	85.2	88.2	88.5	89.2	89.7	90.0	90.5	90.8	90.8	90.9	91.0	91.1	91.1
GE 1800	71.5	74.6	80.6	85.3	88.3	88.7	89.4	90.0	90.2	90.8	91.0	91.0	91.1	91.3	91.4	91.4
GE 1500	71.7	74.8	80.9	85.6	88.7	89.0	89.7	90.4	90.7	91.3	91.5	91.5	91.6	91.7	91.8	91.8
GE 1200	72.1	75.2	81.3	86.1	89.2	89.6	90.4	91.1	91.4	92.0	92.2	92.2	92.3	92.4	92.6	92.6
GE 1000	72.2	75.3	81.7	86.6	90.1	90.4	91.4	92.1	92.3	92.9	93.1	93.1	93.3	93.4	93.5	93.5
GE 900	72.3	75.4	81.8	86.8	90.2	90.7	91.6	92.4	92.7	93.3	93.5	93.5	93.6	93.7	93.9	93.9
GE 800	72.7	75.8	82.3	87.2	90.7	91.1	92.1	92.9	93.1	93.7	94.0	94.0	94.1	94.2	94.3	94.3
GE 700	72.7	75.9	82.5	87.5	90.9	91.4	92.3	93.1	93.5	94.1	94.3	94.3	94.4	94.6	94.7	94.7
GE 600	72.8	76.1	82.7	87.7	91.4	92.1	93.0	93.9	94.3	95.0	95.3	95.3	95.4	95.5	95.6	95.6
GE 500	72.8	76.1	82.9	87.8	91.5	92.4	93.6	94.6	95.0	95.9	96.1	96.1	96.3	96.5	96.6	96.6
GE 400	72.8	76.1	82.9	87.8	91.5	92.4	93.9	94.8	95.3	96.3	96.7	96.7	97.0	97.2	97.3	97.4
GE 300	72.8	76.1	82.9	87.8	91.5	92.4	93.9	95.0	95.6	96.9	97.3	97.3	97.6	97.8	97.9	98.0
GE 200	72.8	76.1	82.9	87.8	91.6	92.6	94.0	95.2	95.7	97.0	97.6	97.6	98.1	98.3	98.6	98.9
GE 100	72.8	76.1	82.9	87.8	91.6	92.6	94.0	95.2	95.7	97.0	97.9	97.9	98.7	98.9	99.5	99.9
GE 000	72.8	76.1	82.9	87.8	91.6	92.6	94.0	95.2	95.7	97.0	97.9	97.9	98.7	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

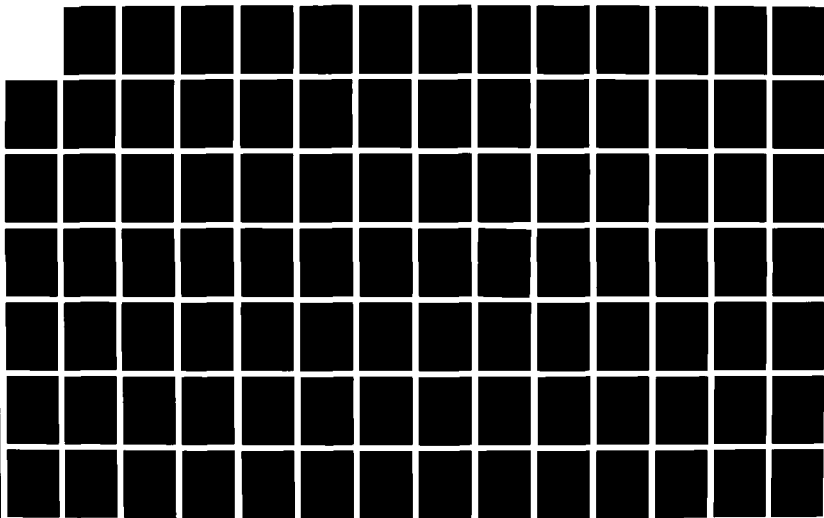
AD-A258 747

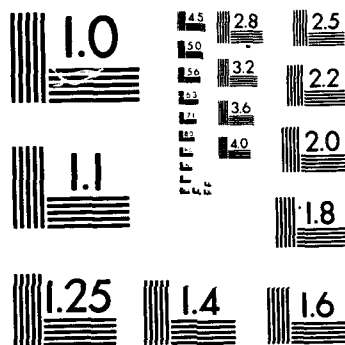
SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR
MATHER AFB CALIFORNIA(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL FEB 92
USAFETAC/DS--92/268 XC-USAFETAC

374

UNCLASSIFIED

NL





MICROCOPY RESOLUTION TEST CHART
 NATIONAL BUREAU OF STANDARDS
 STANDARD REFERENCE MATERIAL 1010a
 (ANSI and ISO TEST CHART No. 2)

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.9	52.8	55.6	58.0	60.5	60.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 20000	58.6	61.8	65.0	67.7	70.3	70.8	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 18000	59.1	62.3	65.5	68.2	70.8	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 16000	59.3	62.5	65.7	68.4	71.0	71.5	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 14000	60.2	63.5	66.7	69.5	72.3	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 12000	63.4	66.9	70.1	72.9	75.8	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 10000	66.1	69.6	72.8	75.7	78.5	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 9000	66.3	69.9	73.2	76.0	79.1	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	68.8	72.3	75.7	78.6	81.7	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 7000	69.1	72.8	76.2	79.2	82.5	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 6000	70.1	73.8	77.2	80.5	83.8	84.3	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 5000	71.3	74.9	78.4	81.7	85.1	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 4500	71.6	75.3	78.7	82.3	85.9	86.4	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	73.4	77.3	81.3	84.9	89.0	89.5	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3500	74.1	78.0	82.0	85.7	89.8	90.3	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3000	75.7	79.7	83.7	87.5	92.3	92.8	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2500	76.1	80.1	84.2	87.9	92.8	93.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2000	77.0	81.0	85.1	88.9	94.3	94.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	77.0	81.0	85.1	88.9	94.3	94.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	77.1	81.1	85.5	89.2	95.0	95.6	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	77.2	81.2	85.6	89.4	95.4	96.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	77.4	81.4	85.8	89.8	95.9	96.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	77.7	81.7	86.2	90.2	96.2	96.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	77.7	81.7	86.3	90.3	96.3	96.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	77.8	81.8	86.4	90.4	96.6	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	77.9	81.9	86.5	90.5	96.8	97.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	77.9	81.9	86.5	90.5	96.8	97.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	77.9	81.9	86.5	90.5	96.8	97.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	77.9	81.9	86.5	90.5	96.8	97.8	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	77.9	81.9	86.5	90.5	96.8	97.8	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.9	81.9	86.5	90.5	96.8	97.8	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	77.9	81.9	86.5	90.5	96.8	97.8	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.5	53.3	55.9	57.3	59.1	59.2	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 20000	59.1	61.0	63.7	65.5	68.0	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	59.2	61.1	63.9	65.7	68.2	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 16000	59.6	61.5	64.3	66.1	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 14000	62.6	64.7	67.6	69.6	72.6	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 12000	65.2	67.4	70.3	72.5	75.4	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 10000	70.6	73.0	76.0	78.1	81.3	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 9000	70.7	73.2	76.1	78.3	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 8000	72.1	74.8	77.8	80.1	83.6	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 7000	72.1	74.8	77.8	80.1	83.7	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 6000	73.2	75.9	79.0	81.6	85.5	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 5000	74.8	77.5	80.6	83.2	87.1	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4500	75.9	78.6	81.9	84.6	88.7	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 4000	77.8	80.5	84.0	86.9	91.3	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	78.4	81.1	84.6	87.8	92.2	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	80.3	83.0	86.6	90.1	94.6	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2500	80.7	83.5	87.5	90.9	95.7	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	81.1	83.8	87.8	91.3	96.2	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	81.1	83.9	87.9	91.4	96.3	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	81.2	84.0	88.2	91.7	97.3	97.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	81.3	84.2	88.4	92.2	97.8	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	81.7	84.5	88.8	92.7	98.2	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	81.7	84.5	88.8	92.7	98.2	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	81.7	84.5	89.0	93.0	98.6	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.7	84.5	89.1	93.1	98.7	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.4	57.3	59.3	59.9	61.5	61.6	61.6	61.6	61.7	61.9	62.1	62.1	62.1	62.1	62.1	62.2
GE 20000	61.1	62.2	64.5	65.5	67.8	68.0	68.0	68.0	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.6
GE 18000	61.1	62.2	64.5	65.5	67.8	68.0	68.0	68.0	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.6
GE 16000	61.7	62.9	65.2	66.2	68.6	68.7	68.7	68.7	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.3
GE 14000	65.1	66.4	69.0	70.2	72.8	72.9	72.9	72.9	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.5
GE 12000	67.0	68.3	71.3	72.5	75.1	75.2	75.2	75.2	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.8
GE 10000	72.1	73.6	76.8	78.1	80.9	81.0	81.0	81.0	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.6
GE 9000	72.1	73.6	76.8	78.1	81.3	81.4	81.4	81.4	81.6	81.8	81.9	81.9	81.9	81.9	81.9	82.0
GE 8000	74.3	75.9	79.1	80.4	83.6	83.7	83.7	83.7	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.3
GE 7000	74.8	76.4	79.6	80.9	84.0	84.2	84.2	84.2	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.8
GE 6000	75.7	77.4	80.6	82.2	85.5	85.6	85.6	85.6	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.2
GE 5000	78.5	80.3	83.5	85.1	88.7	88.8	88.8	88.8	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.4
GE 4500	78.8	80.6	83.8	85.5	89.0	89.1	89.1	89.1	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.7
GE 4000	80.4	82.2	85.5	87.4	91.3	91.4	91.4	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	92.0
GE 3500	81.6	83.3	86.6	88.7	92.6	92.7	92.7	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.3
GE 3000	82.9	84.6	88.1	90.2	94.1	94.2	94.2	94.2	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.8
GE 2500	83.2	85.0	88.7	90.8	95.0	95.2	95.3	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.9
GE 2000	83.5	85.5	89.1	91.4	95.6	95.9	96.1	96.1	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.7
GE 1800	83.6	85.6	89.4	91.6	95.9	96.1	96.3	96.3	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.9
GE 1500	83.6	85.6	89.4	91.6	96.5	96.8	97.3	97.3	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.9
GE 1200	83.7	85.7	89.6	92.0	96.8	97.2	97.6	97.6	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.2
GE 1000	84.0	86.1	90.0	92.3	97.3	97.6	98.2	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.9
GE 900	84.0	86.1	90.0	92.3	97.3	97.6	98.2	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.9
GE 800	84.0	86.1	90.0	92.3	97.3	97.6	98.2	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.9
GE 700	84.2	86.2	90.2	92.6	97.6	98.0	98.6	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.3
GE 600	84.2	86.2	90.2	92.6	97.6	98.0	98.6	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.3
GE 500	84.2	86.4	90.4	92.8	97.9	98.2	98.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 400	84.2	86.4	90.4	92.8	97.9	98.2	98.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 300	84.2	86.4	90.4	92.8	97.9	98.2	98.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 200	84.2	86.4	90.4	92.8	97.9	98.2	98.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 100	84.2	86.4	90.4	92.8	97.9	98.2	98.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.6
GE 000	84.2	86.4	90.4	92.8	97.9	98.2	98.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.0	61.8	62.4	63.7	65.6	65.7	66.0	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.5
GE 20000	63.9	64.9	65.7	67.1	69.3	69.4	69.6	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2
GE 18000	64.1	65.0	65.8	67.3	69.4	69.5	69.7	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.3
GE 16000	64.5	65.5	66.3	67.7	69.9	70.0	70.2	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.8
GE 14000	66.5	67.6	68.8	70.3	73.3	73.4	73.6	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2
GE 12000	68.0	69.0	70.2	71.7	74.7	74.8	75.1	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.7
GE 10000	72.5	73.6	74.8	76.6	79.9	80.0	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.9
GE 9000	72.6	73.8	74.9	76.7	80.0	80.3	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.1
GE 8000	74.2	75.4	77.1	78.8	82.3	82.5	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3
GE 7000	75.3	76.5	78.1	79.9	83.3	83.6	83.8	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4
GE 6000	76.5	77.7	79.3	81.1	84.5	84.8	85.0	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.6
GE 5000	78.5	79.8	81.4	83.3	86.8	87.0	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8
GE 4500	79.1	80.4	82.0	83.9	87.5	87.7	87.9	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5
GE 4000	80.1	82.2	84.2	86.1	89.6	89.8	90.1	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.7
GE 3500	80.3	82.3	84.3	86.2	89.7	90.0	90.2	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.8
GE 3000	81.9	84.0	86.4	88.3	92.3	92.6	92.8	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.4
GE 2500	82.3	84.4	87.0	89.0	93.1	93.4	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4
GE 2000	82.9	85.1	87.7	90.0	94.1	94.3	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4
GE 1800	82.9	85.1	87.7	90.0	94.1	94.3	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4
GE 1500	83.0	85.3	87.9	90.3	94.6	94.8	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.9
GE 1200	83.1	85.7	88.3	90.7	95.0	95.3	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 1000	83.1	85.7	88.3	90.7	96.0	96.2	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 900	83.1	85.7	88.3	90.7	96.0	96.2	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 800	83.1	85.7	88.3	90.7	96.0	96.2	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 700	83.2	85.8	88.4	90.8	96.1	96.3	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.8
GE 600	83.2	85.8	88.4	90.8	96.1	96.3	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.8
GE 500	83.2	86.1	88.7	91.0	96.6	96.8	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2
GE 400	83.2	86.1	88.7	91.0	96.7	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.6
GE 300	83.2	86.1	88.7	91.0	96.7	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.6
GE 200	83.2	86.1	88.7	91.0	96.7	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.8
GE 100	83.2	86.1	88.7	91.0	96.7	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	99.5
GE 000	83.2	86.1	88.7	91.0	96.7	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	54.9	57.0	58.5	60.4	60.7	61.2	61.5	61.6	61.8	61.9	61.9	62.0	62.0	62.1	62.4
GE 20000	58.3	60.4	62.6	64.5	66.6	67.0	67.4	67.7	67.8	68.0	68.2	68.2	68.2	68.3	68.4	68.7
GE 18000	58.6	60.6	62.9	64.7	66.9	67.2	67.7	68.0	68.1	68.3	68.4	68.4	68.5	68.5	68.7	69.0
GE 16000	58.9	60.9	63.2	65.0	67.2	67.6	68.0	68.3	68.4	68.6	68.8	68.8	68.8	68.9	69.0	69.3
GE 14000	60.9	63.0	65.5	67.4	69.9	70.3	70.8	71.1	71.2	71.4	71.5	71.5	71.6	71.6	71.8	72.1
GE 12000	62.8	65.1	67.5	69.5	72.0	72.4	72.9	73.2	73.3	73.6	73.7	73.7	73.8	73.8	73.9	74.2
GE 10000	66.4	68.8	71.4	73.5	76.1	76.5	77.0	77.3	77.4	77.7	77.9	77.9	77.9	78.0	78.1	78.4
GE 9000	66.5	68.9	71.5	73.6	76.4	76.8	77.3	77.6	77.7	78.0	78.1	78.1	78.2	78.2	78.3	78.6
GE 8000	68.5	70.9	73.6	75.8	78.6	79.0	79.5	79.8	79.9	80.2	80.3	80.3	80.4	80.5	80.6	80.9
GE 7000	69.1	71.6	74.3	76.6	79.4	79.8	80.3	80.7	80.8	81.1	81.2	81.2	81.3	81.3	81.4	81.7
GE 6000	70.4	72.9	75.8	78.1	81.0	81.4	82.0	82.3	82.4	82.7	82.8	82.8	82.9	82.9	83.1	83.3
GE 5000	72.2	74.8	77.7	80.1	83.1	83.5	84.1	84.4	84.5	84.8	84.9	84.9	85.0	85.0	85.2	85.5
GE 4500	73.3	75.9	78.9	81.4	84.5	85.0	85.5	85.9	86.0	86.2	86.4	86.4	86.5	86.5	86.6	86.9
GE 4000	75.1	78.0	81.2	83.9	87.2	87.6	88.2	88.5	88.6	88.9	89.1	89.1	89.1	89.2	89.3	89.6
GE 3500	75.6	78.5	81.7	84.5	87.8	88.3	88.9	89.2	89.3	89.6	89.7	89.7	89.8	89.8	90.0	90.3
GE 3000	77.0	79.8	83.2	86.2	89.8	90.4	90.9	91.3	91.4	91.7	91.8	91.8	91.9	91.9	92.1	92.4
GE 2500	77.3	80.2	83.7	86.8	90.5	91.1	91.8	92.1	92.2	92.5	92.7	92.7	92.7	92.8	92.9	93.2
GE 2000	78.0	81.1	84.7	87.9	91.8	92.3	93.1	93.5	93.6	93.9	94.0	94.0	94.1	94.1	94.3	94.6
GE 1800	78.1	81.2	84.9	88.0	91.9	92.5	93.3	93.6	93.8	94.1	94.2	94.2	94.3	94.3	94.4	94.7
GE 1500	78.4	81.5	85.2	88.4	92.6	93.2	94.0	94.4	94.5	94.8	94.9	94.9	95.0	95.1	95.2	95.5
GE 1200	78.6	81.8	85.6	88.9	93.1	93.7	94.6	95.0	95.1	95.4	95.6	95.6	95.7	95.7	95.8	96.1
GE 1000	78.9	82.0	85.9	89.3	93.8	94.4	95.4	95.8	95.9	96.2	96.4	96.4	96.5	96.5	96.6	96.9
GE 900	78.9	82.1	86.0	89.4	93.9	94.5	95.5	95.9	96.0	96.4	96.5	96.5	96.6	96.6	96.8	97.1
GE 800	79.0	82.2	86.1	89.5	94.0	94.6	95.6	96.1	96.2	96.5	96.7	96.7	96.8	96.8	97.0	97.3
GE 700	79.1	82.2	86.2	89.6	94.2	94.8	95.8	96.3	96.4	96.7	96.9	96.9	97.0	97.0	97.2	97.5
GE 600	79.1	82.3	86.3	89.7	94.3	94.9	96.0	96.4	96.6	97.0	97.1	97.1	97.2	97.3	97.4	97.7
GE 500	79.1	82.4	86.4	89.8	94.5	95.3	96.3	96.8	97.0	97.4	97.5	97.5	97.6	97.7	97.8	98.1
GE 400	79.2	82.4	86.4	89.8	94.6	95.4	96.5	97.0	97.2	97.6	97.8	97.8	97.9	98.0	98.1	98.4
GE 300	79.2	82.4	86.4	89.8	94.6	95.4	96.5	97.0	97.3	97.8	97.9	97.9	98.1	98.1	98.3	98.7
GE 200	79.2	82.4	86.4	89.8	94.6	95.4	96.5	97.1	97.4	97.9	98.1	98.1	98.3	98.4	98.5	99.0
GE 100	79.2	82.4	86.4	89.8	94.6	95.4	96.5	97.1	97.4	97.9	98.1	98.2	98.4	98.5	98.8	99.6
GE 000	79.2	82.4	86.4	89.8	94.6	95.4	96.5	97.1	97.4	97.9	98.1	98.2	98.4	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.9	60.4	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 20000	62.5	63.0	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 18000	62.6	63.1	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 16000	62.6	63.1	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 14000	64.9	65.5	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 12000	67.6	68.2	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 10000	72.6	73.1	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 9000	72.9	73.4	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	75.3	75.8	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 7000	77.3	77.8	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
GE 6000	78.4	78.9	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	80.1	80.1
GE 5000	83.4	84.1	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.6	85.6
GE 4500	86.9	87.6	88.5	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.5	89.5
GE 4000	88.7	89.7	90.6	90.9	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.7	91.7
GE 3500	89.7	90.9	91.8	92.3	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.3	93.3
GE 3000	92.0	93.4	94.8	95.3	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.7	96.7
GE 2500	92.2	93.5	94.9	95.4	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.8	96.8
GE 2000	92.4	93.9	95.3	95.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.3	97.3
GE 1800	92.5	94.0	95.4	95.8	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.4	97.4
GE 1500	92.6	94.1	95.5	95.9	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.7	97.7
GE 1200	92.7	94.3	95.7	96.1	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.2	98.2
GE 1000	92.7	94.3	95.7	96.1	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.2	98.2
GE 900	92.8	94.4	95.8	96.2	97.4	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.3	98.3
GE 800	93.0	94.6	96.0	96.5	97.6	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.5	98.5
GE 700	93.0	94.7	96.1	96.6	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.7	98.7
GE 600	93.0	94.7	96.5	97.0	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.5	99.5
GE 500	93.0	94.7	96.5	97.0	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.5	99.5
GE 400	93.0	94.7	96.5	97.0	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.5	99.5
GE 300	93.0	94.7	96.5	97.0	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.5	99.5
GE 200	93.0	94.7	96.5	97.0	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.6	99.6
GE 100	93.0	94.7	96.5	97.0	98.6	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.7	99.7
GE 000	93.0	94.7	96.5	97.0	98.6	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.3	58.7	59.1	59.4	59.6	59.6	59.7	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2
GE 20000	60.8	62.2	62.6	62.8	63.0	63.0	63.1	63.4	63.4	63.4	63.5	63.7	63.7	63.7	63.7	63.7
GE 18000	60.8	62.2	62.6	62.8	63.0	63.0	63.1	63.4	63.4	63.4	63.5	63.7	63.7	63.7	63.7	63.7
GE 16000	60.9	62.3	62.7	62.9	63.1	63.1	63.2	63.5	63.5	63.5	63.7	63.8	63.8	63.8	63.8	63.8
GE 14000	62.0	63.4	64.1	64.4	64.6	64.6	64.7	65.1	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3
GE 12000	64.6	66.1	66.8	67.1	67.6	67.6	67.7	68.1	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3
GE 10000	68.3	69.8	70.4	70.8	71.3	71.3	71.4	71.7	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9
GE 9000	68.4	70.1	70.8	71.1	71.6	71.6	71.7	72.0	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3
GE 8000	70.5	72.3	72.9	73.2	73.8	73.8	73.9	74.2	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.4
GE 7000	71.6	73.3	74.0	74.3	74.8	74.8	74.9	75.3	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5
GE 6000	72.8	74.5	75.2	75.5	76.0	76.0	76.1	76.5	76.5	76.5	76.6	76.7	76.8	76.8	76.8	76.8
GE 5000	76.0	78.0	78.8	79.2	79.8	79.8	79.9	80.2	80.2	80.2	80.4	80.5	80.6	80.6	80.8	80.8
GE 4500	79.4	81.8	83.0	83.4	84.0	84.0	84.1	84.4	84.4	84.4	84.6	84.7	84.8	84.8	84.9	84.9
GE 4000	81.4	84.0	85.3	85.7	86.2	86.2	86.3	86.7	86.7	86.7	86.9	87.0	87.1	87.1	87.3	87.3
GE 3500	83.0	85.9	87.3	87.8	88.7	88.7	88.8	89.1	89.1	89.1	89.4	89.5	89.6	89.6	89.8	89.8
GE 3000	85.8	88.8	90.8	91.7	92.8	92.8	93.0	93.3	93.3	93.3	93.5	93.7	93.8	93.8	94.0	94.0
GE 2500	86.2	89.4	91.4	92.5	93.5	93.5	93.8	94.1	94.1	94.1	94.3	94.4	94.5	94.5	94.7	94.7
GE 2000	86.6	89.9	91.9	93.1	94.6	94.6	94.8	95.2	95.2	95.2	95.4	95.5	95.6	95.6	95.8	95.8
GE 1800	86.6	89.9	91.9	93.1	94.6	94.6	94.8	95.2	95.2	95.2	95.4	95.5	95.6	95.6	95.8	95.8
GE 1500	86.7	90.0	92.3	93.5	95.1	95.1	95.4	95.8	95.8	95.8	96.0	96.1	96.2	96.2	96.5	96.5
GE 1200	86.9	90.2	92.5	93.8	95.4	95.4	95.9	96.3	96.3	96.3	96.6	96.7	96.8	96.8	97.0	97.0
GE 1000	87.4	90.9	93.1	94.4	96.0	96.0	96.6	97.0	97.0	97.0	97.2	97.3	97.4	97.4	97.6	97.6
GE 900	87.4	91.0	93.2	94.5	96.3	96.3	96.9	97.3	97.3	97.3	97.5	97.6	97.7	97.7	98.0	98.0
GE 800	87.8	91.4	93.7	94.9	96.8	96.8	97.3	97.7	97.7	97.7	98.0	98.1	98.2	98.2	98.4	98.4
GE 700	88.0	91.6	94.0	95.3	97.2	97.2	97.7	98.2	98.2	98.2	98.4	98.5	98.6	98.6	98.8	98.8
GE 600	88.1	91.7	94.2	95.5	97.6	97.6	98.2	98.6	98.6	98.6	98.8	98.9	99.0	99.0	99.2	99.2
GE 500	88.1	91.7	94.2	95.5	97.6	97.6	98.2	98.6	98.6	98.6	98.8	98.9	99.0	99.0	99.2	99.2
GE 400	88.1	91.7	94.2	95.6	97.8	97.8	98.4	98.8	98.8	98.8	99.0	99.1	99.2	99.2	99.5	99.5
GE 300	88.1	91.7	94.2	95.6	97.8	97.8	98.4	98.8	98.8	98.8	99.0	99.1	99.2	99.2	99.5	99.5
GE 200	88.1	91.7	94.2	95.6	97.8	97.8	98.4	98.9	98.9	99.0	99.2	99.4	99.5	99.5	99.7	99.7
GE 100	88.1	91.7	94.2	95.6	97.8	97.8	98.4	98.9	98.9	99.0	99.2	99.4	99.5	99.5	99.7	99.7
GE 000	88.1	91.7	94.2	95.6	97.8	97.8	98.4	98.9	98.9	99.0	99.2	99.4	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.3	48.2	49.2	49.8	51.4	51.6	51.8	52.0	52.0	52.2	52.3	52.4	52.5	52.6	52.7	52.8
GE 20000	52.6	53.4	54.5	55.2	56.8	57.1	57.4	57.6	57.6	57.7	57.8	58.0	58.1	58.2	58.4	58.5
GE 18000	53.2	54.1	55.2	55.8	57.4	57.7	58.1	58.3	58.3	58.4	58.5	58.6	58.7	58.8	59.0	59.1
GE 16000	53.3	54.2	55.3	55.9	57.5	57.8	58.2	58.4	58.4	58.5	58.6	58.7	58.8	58.9	59.1	59.2
GE 14000	54.7	55.6	56.7	57.4	59.2	59.6	59.9	60.1	60.1	60.2	60.3	60.4	60.5	60.6	60.9	61.0
GE 12000	56.6	57.4	58.6	59.4	61.2	61.5	61.8	62.0	62.0	62.2	62.3	62.4	62.5	62.6	62.8	62.9
GE 10000	60.5	61.4	62.8	63.8	65.7	66.0	66.3	66.6	66.6	66.7	66.8	66.9	67.0	67.1	67.3	67.4
GE 9000	61.0	61.8	63.3	64.3	66.2	66.6	66.9	67.1	67.1	67.2	67.3	67.4	67.5	67.6	67.8	68.0
GE 8000	62.7	63.5	65.3	66.2	68.3	68.6	68.9	69.1	69.1	69.2	69.4	69.5	69.6	69.7	69.9	70.0
GE 7000	63.9	64.8	66.6	67.6	69.8	70.1	70.4	70.6	70.6	70.8	70.9	71.0	71.1	71.2	71.4	71.5
GE 6000	65.7	66.7	68.4	69.5	71.6	71.9	72.3	72.5	72.5	72.6	72.7	72.8	72.9	73.0	73.2	73.3
GE 5000	67.6	68.7	70.6	71.8	74.3	74.6	75.1	75.3	75.3	75.4	75.5	75.6	75.7	75.8	76.0	76.1
GE 4500	71.9	73.5	75.8	77.2	80.0	80.3	80.8	81.0	81.0	81.1	81.2	81.3	81.4	81.5	81.7	81.8
GE 4000	73.7	75.4	77.8	79.5	82.3	82.6	83.0	83.2	83.2	83.3	83.4	83.5	83.8	83.9	84.1	84.2
GE 3500	75.3	77.3	80.1	82.0	84.9	85.3	85.9	86.1	86.1	86.2	86.3	86.5	86.7	86.8	87.0	87.1
GE 3000	78.0	80.1	83.3	85.4	88.6	88.9	89.7	90.0	90.0	90.1	90.2	90.3	90.5	90.6	90.9	91.0
GE 2500	78.5	80.6	84.1	86.3	89.6	89.9	90.9	91.2	91.2	91.3	91.4	91.5	91.8	91.9	92.2	92.3
GE 2000	79.2	81.5	84.9	87.3	90.8	91.1	92.0	92.4	92.4	92.5	92.6	92.7	93.0	93.1	93.3	93.4
GE 1800	79.5	81.7	85.2	87.6	91.1	91.4	92.4	92.7	92.7	92.8	92.9	93.0	93.3	93.4	93.7	93.8
GE 1500	80.1	82.4	85.8	88.3	91.7	92.0	93.0	93.5	93.5	93.7	93.8	93.9	94.2	94.3	94.5	94.6
GE 1200	80.5	82.8	86.3	88.8	92.7	93.1	94.2	94.7	94.7	94.8	94.9	95.1	95.4	95.5	95.7	95.8
GE 1000	80.9	83.1	86.7	89.1	93.0	93.4	94.5	95.1	95.1	95.2	95.3	95.4	95.7	95.8	96.0	96.1
GE 900	81.1	83.3	86.9	89.4	93.2	93.7	94.7	95.3	95.3	95.4	95.5	95.6	95.9	96.0	96.2	96.3
GE 800	81.1	83.3	87.0	89.6	93.4	93.9	95.1	95.6	95.6	95.7	95.8	95.9	96.2	96.3	96.6	96.7
GE 700	81.1	83.3	87.0	89.7	93.5	94.0	95.2	95.8	95.8	95.9	96.0	96.1	96.5	96.6	96.8	96.9
GE 600	81.2	83.4	87.1	89.8	93.9	94.3	95.5	96.1	96.1	96.2	96.3	96.5	96.8	96.9	97.1	97.2
GE 500	81.2	83.4	87.2	89.9	94.0	94.5	95.9	96.9	96.9	97.0	97.1	97.2	97.6	98.0	98.2	98.3
GE 400	81.2	83.4	87.2	89.9	94.1	94.9	96.3	97.3	97.3	97.4	97.5	97.6	98.1	98.4	98.6	98.7
GE 300	81.2	83.4	87.2	89.9	94.1	94.9	96.5	97.4	97.5	97.6	97.8	98.0	98.4	98.7	99.0	99.1
GE 200	81.2	83.4	87.2	89.9	94.1	94.9	96.5	97.4	97.5	97.6	98.0	98.1	98.5	98.9	99.5	99.8
GE 100	81.2	83.4	87.2	89.9	94.1	94.9	96.5	97.4	97.5	97.6	98.0	98.1	98.5	98.9	99.5	100.0
GE 000	81.2	83.4	87.2	89.9	94.1	94.9	96.5	97.4	97.5	97.6	98.0	98.1	98.5	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.0	51.1	51.9	52.5	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 20000	56.5	57.7	58.7	59.2	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 18000	56.7	58.0	58.9	59.5	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 16000	56.9	58.2	59.1	59.7	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 14000	58.3	59.6	60.5	61.1	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 12000	60.1	61.4	62.4	62.9	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 10000	63.0	64.3	65.3	65.8	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 9000	63.1	64.4	65.4	65.9	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 8000	65.9	67.2	68.3	68.8	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 7000	66.8	68.1	69.1	69.8	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 6000	68.3	69.6	70.8	71.4	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 5000	71.1	72.5	73.9	74.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4500	73.5	75.3	77.0	77.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4000	77.0	78.8	80.8	81.7	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3500	79.1	81.0	83.2	84.2	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 3000	82.2	84.2	86.9	87.8	89.8	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2500	83.0	85.1	87.7	88.7	90.9	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	84.4	86.6	89.4	90.3	92.6	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800	84.6	86.8	89.6	90.5	92.8	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	85.2	87.7	90.5	91.7	94.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	85.9	88.5	91.3	92.5	94.8	94.9	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	86.2	88.8	91.6	92.8	95.4	95.5	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	86.2	88.9	91.8	93.0	95.6	95.7	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	86.3	89.0	91.9	93.2	96.1	96.3	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	86.5	89.1	92.0	93.4	96.5	96.7	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	86.5	89.1	92.0	93.4	96.5	96.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	86.6	89.2	92.3	93.8	96.9	97.2	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	86.6	89.2	92.3	93.8	96.9	97.2	98.6	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	86.6	89.2	92.3	93.8	96.9	97.2	98.6	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9
GE 200	86.6	89.2	92.3	93.8	96.9	97.2	98.6	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0
GE 100	86.6	89.2	92.3	93.8	96.9	97.2	98.6	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0
GE 000	86.6	89.2	92.3	93.8	96.9	97.2	98.6	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.7	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 20000	61.3	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 18000	61.3	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 16000	61.6	62.0	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 14000	63.0	63.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 12000	64.6	65.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 10000	66.7	67.1	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 9000	66.7	67.1	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 8000	70.2	70.6	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	70.9	71.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 6000	71.7	72.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 5000	74.5	75.4	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4500	77.5	78.5	80.4	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 4000	81.2	82.3	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3500	82.8	84.0	86.5	86.8	87.1	87.1	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3000	87.6	89.0	92.0	92.6	93.3	93.3	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2500	89.2	90.6	93.9	94.4	95.6	95.6	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	90.5	91.9	95.3	95.8	97.0	97.0	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	90.6	92.0	95.4	96.0	97.2	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	90.9	92.4	96.2	96.9	98.3	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	91.2	92.7	96.7	97.4	98.8	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	91.2	92.7	96.7	97.4	98.8	98.9	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	91.2	92.7	96.7	97.4	98.8	98.9	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.2	92.7	96.7	97.4	98.9	99.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.8	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 20000	63.7	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 18000	63.8	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 16000	63.9	64.3	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 14000	66.7	67.1	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 12000	68.1	68.5	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 10000	71.6	72.3	73.3	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 9000	71.6	72.3	73.3	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 8000	77.0	77.7	78.9	79.1	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 7000	77.6	78.4	79.6	79.9	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 6000	79.4	80.2	81.5	81.8	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 5000	81.9	82.9	84.3	84.6	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500	84.5	85.5	87.1	87.6	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 4000	86.5	87.4	89.5	90.4	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 3500	88.0	89.0	91.3	92.3	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3000	90.6	92.0	94.4	95.4	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2500	91.3	92.7	95.1	96.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	91.8	93.2	95.7	97.0	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	91.9	93.3	95.8	97.1	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	92.4	93.9	96.3	97.6	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	92.4	93.9	96.3	97.6	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	92.4	93.9	96.5	97.7	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	92.4	93.9	96.5	97.7	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	92.4	93.9	96.5	97.7	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	92.4	93.9	96.5	97.7	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	92.4	93.9	96.5	97.7	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	92.5	94.0	96.6	97.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.5	94.0	96.6	97.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.5	94.0	96.6	97.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.5	94.0	96.6	97.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.5	94.0	96.6	97.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.5	94.0	96.6	97.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.7	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 20000	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	65.2	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 15000	65.7	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 14000	68.4	68.5	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 12000	70.3	70.4	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 10000	75.2	75.3	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 9000	75.4	75.5	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 8000	78.5	78.7	79.7	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 7000	80.2	80.4	81.5	81.6	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 6000	81.3	81.5	82.6	82.8	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 5000	84.1	84.3	85.6	86.0	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4500	86.7	87.0	88.8	89.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4000	88.4	88.8	90.9	91.6	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3500	89.1	89.6	91.6	92.6	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	91.1	91.5	94.7	96.0	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	91.5	91.9	95.2	96.5	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	91.7	92.2	95.4	96.7	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	91.8	92.3	95.6	97.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	92.2	92.6	96.0	97.5	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	92.2	92.6	96.0	97.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	92.2	92.6	96.0	97.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	92.2	92.6	96.0	97.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	92.2	92.6	96.0	97.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	92.2	92.6	96.0	97.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	92.3	92.7	96.1	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.3	92.7	96.1	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.3	92.7	96.1	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.3	92.7	96.1	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.3	92.7	96.1	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.3	92.7	96.1	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.3	92.7	96.1	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 20000	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 18000	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 16000	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 14000	68.8	68.9	69.0	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 12000	71.2	71.3	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 10000	76.7	76.8	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 9000	77.1	77.2	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 8000	80.0	80.1	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 7000	81.3	81.4	81.5	81.6	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2
GE 6000	82.6	82.7	82.8	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5
GE 5000	86.0	86.5	86.7	86.9	87.2	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8
GE 4500	88.9	89.4	89.6	89.8	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.8	90.8	90.8	90.8
GE 4000	90.9	91.4	91.6	91.8	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 3500	91.9	92.6	92.8	93.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
GE 3000	94.6	95.4	95.9	96.3	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 2500	94.8	95.6	96.1	96.6	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 2000	95.1	95.8	96.3	96.8	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 1800	95.1	95.8	96.3	96.8	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 1500	95.2	95.9	96.5	96.9	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 1200	95.2	95.9	96.5	96.9	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 1000	95.2	95.9	96.5	96.9	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 900	95.2	96.0	96.6	97.1	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 800	95.2	96.0	96.6	97.1	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 700	95.2	96.0	96.6	97.2	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 600	95.3	96.2	96.8	97.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	95.3	96.3	96.9	97.5	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	95.3	96.3	96.9	97.5	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	95.3	96.3	96.9	97.5	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	95.3	96.3	96.9	97.5	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	95.3	96.3	96.9	97.5	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	95.3	96.3	96.9	97.5	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.4	56.0	56.6	56.7	57.1	57.1	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	61.2	61.8	62.4	62.6	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3
GE 18000	61.3	62.0	62.6	62.8	63.1	63.2	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.5
GE 16000	61.5	62.2	62.8	63.0	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6
GE 14000	63.4	64.0	64.7	64.9	65.3	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7
GE 12000	65.4	66.0	66.7	66.9	67.4	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8
GE 10000	69.3	70.0	70.8	71.1	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9
GE 9000	69.5	70.2	71.1	71.4	71.8	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.2	72.2
GE 8000	72.5	73.3	74.2	74.5	75.0	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4
GE 7000	73.7	74.5	75.4	75.8	76.4	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8
GE 6000	75.0	75.8	76.8	77.2	77.8	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.3	78.3	78.3
GE 5000	78.1	79.0	80.2	80.7	81.4	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.9	81.9	82.0	82.0
GE 4500	81.2	82.3	83.8	84.4	85.2	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.8	85.8
GE 4000	83.5	84.7	86.4	87.1	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.7	88.7
GE 3500	84.9	86.3	88.1	88.9	90.1	90.2	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.7	90.7
GE 3000	87.7	89.3	91.6	92.6	94.0	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.7	94.7	94.8	94.8
GE 2500	88.3	89.9	92.3	93.3	94.9	95.0	95.3	95.4	95.4	95.4	95.5	95.5	95.6	95.6	95.7	95.7
GE 2000	89.0	90.6	93.0	94.1	95.8	96.0	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.6	96.6
GE 1800	89.1	90.7	93.1	94.2	96.0	96.1	96.4	96.5	96.5	96.5	96.6	96.6	96.7	96.7	96.8	96.8
GE 1500	89.4	91.1	93.6	94.8	96.6	96.8	97.1	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.5	97.5
GE 1200	89.6	91.4	93.9	95.1	97.0	97.2	97.6	97.7	97.7	97.8	97.8	97.8	97.9	97.9	98.0	98.0
GE 1000	89.8	91.5	94.1	95.3	97.2	97.4	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.3
GE 900	89.8	91.6	94.2	95.4	97.3	97.6	98.0	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5
GE 800	89.9	91.7	94.3	95.5	97.5	97.8	98.2	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.7	98.7
GE 700	89.9	91.7	94.4	95.6	97.7	97.9	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9
GE 600	90.0	91.8	94.5	95.7	97.9	98.2	98.7	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.2	99.2
GE 500	90.0	91.9	94.5	95.8	98.0	98.3	98.8	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5
GE 400	90.0	91.9	94.5	95.8	98.1	98.4	98.9	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.7
GE 300	90.0	91.9	94.5	95.8	98.1	98.4	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.7
GE 200	90.0	91.9	94.5	95.8	98.1	98.4	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.7	99.7	99.9
GE 100	90.0	91.9	94.5	95.8	98.1	98.4	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.7	99.7	99.9
GE 000	90.0	91.9	94.5	95.8	98.1	98.4	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 20000	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 18000	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 16000	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 14000	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 12000	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 10000	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 9000	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 8000	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 7000	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 6000	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 5000	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4500	93.8	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4000	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3500	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 3000	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	98.0	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	98.7	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.7	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.7	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.7	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	98.7	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.7	99.2	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.7	99.3	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.7	99.3	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.7	99.3	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.7	99.3	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	99.3	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.7	99.3	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.9	73.2	73.6	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 20000	77.1	77.4	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 18000	77.1	77.4	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 16000	77.2	77.6	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 14000	77.9	78.2	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 12000	79.0	79.3	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 10000	81.9	82.2	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 9000	82.6	82.9	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 8000	85.4	85.8	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 7000	85.9	86.2	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 6000	87.1	87.4	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 5000	89.1	89.8	90.1	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 4500	91.7	92.3	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4000	92.2	92.9	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	93.0	93.7	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 3000	94.0	94.8	95.3	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	94.1	94.9	95.6	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	94.3	95.1	95.9	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	94.4	95.2	96.0	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	95.2	96.0	96.8	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	95.3	96.1	96.9	97.3	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	96.0	96.8	97.6	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	96.0	96.8	97.6	98.0	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	96.2	97.0	97.8	98.2	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	96.6	97.3	98.3	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	96.6	97.3	98.3	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	96.7	97.4	98.4	98.9	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	96.7	97.6	98.6	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	96.7	97.6	98.6	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	96.7	97.6	98.6	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	96.7	97.6	98.6	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	96.7	97.6	98.6	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.0	63.7	64.1	64.4	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 20000	70.2	70.9	71.6	71.9	72.4	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 18000	70.3	71.0	71.7	72.0	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 16000	70.4	71.1	71.8	72.1	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 14000	71.0	71.7	72.3	72.7	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 12000	73.0	73.7	74.3	74.7	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 10000	76.8	77.4	78.1	78.4	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 9000	77.2	77.9	78.6	78.9	79.4	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 8000	79.1	80.0	80.7	81.0	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 7000	80.1	81.0	81.7	82.0	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 6000	81.1	82.0	82.7	83.0	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 5000	82.8	83.7	84.4	84.8	85.3	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 4500	85.1	86.1	86.9	87.2	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4000	86.0	87.0	87.9	88.2	89.0	89.0	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 3500	86.1	87.1	88.0	88.3	89.1	89.1	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3000	87.3	88.3	89.2	89.8	90.7	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 2500	87.7	88.7	89.6	90.1	91.1	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	88.9	90.0	91.1	91.8	92.8	92.8	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	89.1	90.2	91.3	92.0	93.0	93.0	93.2	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1500	90.0	91.1	92.4	93.1	94.1	94.1	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1200	90.8	91.9	93.2	94.0	95.0	95.0	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	91.4	92.6	94.1	94.9	95.9	95.9	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	91.8	93.0	94.6	95.4	96.4	96.4	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	91.8	93.0	94.7	95.6	96.6	96.6	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	92.3	93.7	95.4	96.3	97.8	97.9	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	92.4	93.9	95.7	96.6	98.0	98.1	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	92.4	94.1	95.9	96.9	98.3	98.4	98.8	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 400	92.4	94.1	95.9	96.9	98.3	98.4	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 300	92.4	94.1	95.9	96.9	98.3	98.4	98.9	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 200	92.4	94.1	95.9	96.9	98.3	98.4	98.9	99.2	99.2	99.3	99.3	99.3	99.7	99.8	99.9	99.9
GE 100	92.4	94.1	95.9	96.9	98.3	98.4	98.9	99.2	99.2	99.3	99.3	99.3	99.7	99.8	99.9	100.0
GE 000	92.4	94.1	95.9	96.9	98.3	98.4	98.9	99.2	99.2	99.3	99.3	99.3	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.3	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 20000	74.8	75.7	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 18000	74.8	75.7	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 16000	75.2	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 14000	76.2	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 12000	77.6	78.4	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 10000	80.9	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 9000	81.0	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 8000	82.1	83.0	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 7000	83.7	84.6	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 6000	84.4	85.3	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 5000	85.8	86.7	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4500	87.4	88.3	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 4000	89.0	89.9	90.7	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3500	89.3	90.2	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 3000	92.7	93.6	94.4	94.7	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	93.7	94.6	95.4	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	94.6	95.4	96.3	96.6	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	94.8	95.7	96.6	96.8	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	95.3	96.3	97.2	97.4	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	95.9	96.9	97.8	98.0	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	96.2	97.2	98.1	98.4	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	96.2	97.2	98.1	98.4	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	96.2	97.2	98.1	98.4	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	96.2	97.2	98.1	98.4	99.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	96.2	97.2	98.1	98.4	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	96.2	97.3	98.2	98.6	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	96.2	97.3	98.2	98.6	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	96.2	97.3	98.2	98.6	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	96.2	97.3	98.2	98.6	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	96.2	97.3	98.2	98.6	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	96.2	97.3	98.2	98.6	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 20000	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 18000	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 16000	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 14000	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 12000	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 10000	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 9000	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 8000	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 7000	85.6	85.8	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 6000	86.4	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 5000	88.6	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 4500	90.1	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	93.1	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3500	94.1	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3000	97.7	98.3	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	97.9	98.6	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	98.1	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.1	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.1	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.1	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.1	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	98.1	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	98.1	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	98.1	98.8	98.9	99.0	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.1	98.8	98.9	99.0	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.1	98.8	98.9	99.0	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.1	98.8	98.9	99.0	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.1	98.8	98.9	99.0	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.1	98.8	98.9	99.0	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.1	98.8	98.9	99.0	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.1	98.8	98.9	99.0	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 20000	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 18000	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 16000	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 14000	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 12000	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 10000	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 9000	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 8000	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 7000	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 6000	88.8	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 5000	90.9	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	92.6	93.0	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	95.2	95.8	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	96.3	96.9	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3000	98.1	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	98.3	98.9	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	98.3	98.9	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	98.6	99.1	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.6	99.1	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.6	99.1	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.6	99.1	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.6	99.1	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.6	99.1	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.6	99.1	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.6	99.1	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 20000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 18000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 16000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 14000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 12000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 10000	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 9000	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 8000	89.2	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 7000	90.1	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 6000	90.4	90.4	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 5000	92.3	92.3	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4500	93.8	93.8	94.3	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 4000	94.8	94.8	95.3	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	95.7	95.7	96.2	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	97.3	97.3	97.9	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	97.4	97.4	98.0	98.0	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	98.1	98.1	98.7	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.1	98.1	98.7	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.2	98.2	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.2	98.2	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.2	98.2	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.2	98.2	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.2	98.2	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	98.2	98.2	98.8	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.2	98.2	98.8	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.2	98.2	98.8	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.2	98.8	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.2	98.8	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.2	98.8	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.2	98.8	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.2	98.8	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 20000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 18000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 16000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 14000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 10000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 9000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 8000	89.6	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 7000	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 6000	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 5000	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 4500	95.1	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4000	95.7	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3500	96.1	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.2	70.5	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 20000	76.7	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 18000	77.0	77.3	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 16000	77.2	77.5	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 14000	78.1	78.5	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 12000	79.5	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 10000	82.8	83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 9000	83.2	83.5	83.7	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 8000	85.6	86.0	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 7000	86.6	86.9	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 6000	87.5	87.9	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 5000	89.4	89.9	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 4500	91.2	91.7	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4000	92.6	93.1	93.6	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3500	93.3	93.8	94.3	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 3000	95.2	95.7	96.2	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2500	95.4	96.0	96.5	96.7	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	96.0	96.6	97.2	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	96.1	96.7	97.3	97.5	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	96.5	97.1	97.7	97.9	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	96.8	97.4	98.1	98.3	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	97.0	97.7	98.3	98.5	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	97.1	97.7	98.3	98.6	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	97.1	97.7	98.4	98.6	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	97.2	97.9	98.6	98.8	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	97.2	97.9	98.6	98.8	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.3	98.0	98.7	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.3	98.0	98.7	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.3	98.0	98.7	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.3	98.0	98.7	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	97.3	98.0	98.7	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	97.3	98.0	98.7	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 20000	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 18000	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 16000	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 14000	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 12000	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 10000	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 9000	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 8000	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 7000	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 5000	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 4500	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3500	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.7	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 20000	85.7	86.0	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 18000	85.8	86.1	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 16000	86.3	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 14000	86.6	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 12000	87.3	87.6	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 10000	89.5	89.8	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 9000	89.7	90.0	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 8000	92.2	92.5	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 7000	92.6	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 6000	93.3	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 5000	94.0	94.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 4500	94.9	95.3	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	95.2	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	95.3	95.7	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	96.0	96.5	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	96.3	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2000	97.0	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	98.3	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	98.7	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.4	77.0	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 20000	81.5	83.1	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 18000	81.5	83.1	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 16000	81.7	83.3	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 14000	83.1	84.7	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 12000	84.1	85.7	86.0	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 10000	86.2	87.8	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 9000	86.2	87.8	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 8000	88.0	89.7	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 7000	88.3	90.0	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 6000	88.5	90.2	90.5	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 5000	89.2	91.0	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	90.3	92.0	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4000	90.9	92.6	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3500	91.0	92.7	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 3000	92.2	94.0	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2500	92.5	94.3	94.8	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	93.3	95.2	95.7	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	93.8	95.6	96.1	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	94.6	96.5	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	95.8	97.6	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	96.7	98.5	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	96.7	98.5	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	96.8	98.6	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	96.8	98.6	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.8	98.6	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.8	98.6	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.8	98.6	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.8	98.6	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.8	98.6	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.8	98.6	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.8	98.6	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CRIL	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 20000	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 18000	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 16000	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 14000	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 12000	85.4	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 10000	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 9000	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 7000	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 6000	90.0	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 5000	90.5	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 4500	91.3	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4000	93.9	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3500	94.5	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3000	96.0	96.5	96.7	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	96.3	96.8	97.0	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	97.6	98.1	98.3	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	97.7	98.2	98.4	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	98.2	98.6	98.8	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.4	98.8	99.0	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.5	98.9	99.1	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.6	99.0	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 20000	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 18000	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 16000	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 14000	86.9	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 12000	87.6	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 10000	90.8	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 9000	90.8	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 8000	91.7	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	91.9	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 6000	92.3	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 5000	92.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4500	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 4000	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	97.5	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3000	98.4	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	98.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	98.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	98.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 20000	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 18000	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 16000	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 14000	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 12000	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 10000	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 9000	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 8000	93.5	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 6000	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 5000	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 4500	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4000	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3500	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 20000	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 18000	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 16000	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 12000	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 10000	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 9000	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 8000	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 7000	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 6000	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 5000	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4500	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4000	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 20000	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 18000	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 16000	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 14000	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 12000	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 10000	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 9000	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 8000	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 7000	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 6000	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4500	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4000	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.8	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 20000	86.0	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 18000	86.0	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 16000	86.3	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 14000	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 12000	88.2	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 10000	90.8	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 9000	91.0	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 8000	92.5	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 7000	92.8	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000	93.3	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 4500	94.9	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 4000	96.0	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	96.5	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3000	97.3	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	97.5	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	98.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	98.1	98.7	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	98.5	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.8	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.9	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 20000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 18000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 16000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 14000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 12000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 10000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 9000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 8000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.4	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 20000	87.3	87.6	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 18000	87.4	87.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 16000	87.4	87.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 14000	88.4	88.7	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 12000	90.1	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 10000	92.4	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 9000	92.7	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 8000	93.1	93.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	93.1	93.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 6000	93.1	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	93.2	93.4	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 4500	93.7	93.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	94.0	94.2	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3500	94.0	94.2	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3000	94.2	94.4	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	94.2	94.4	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	94.2	94.4	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	94.3	94.6	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	95.2	95.4	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1200	96.9	97.2	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	98.2	98.6	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	98.2	98.6	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.6	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.0	82.4	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 20000	85.7	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 18000	85.7	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 16000	85.7	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 14000	86.3	86.8	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 12000	87.3	87.8	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 10000	89.8	90.2	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 9000	90.0	90.4	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 8000	91.1	91.6	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	91.1	91.6	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 6000	91.3	91.8	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 5000	91.3	91.8	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	91.4	91.9	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4000	91.4	91.9	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	91.4	91.9	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	91.6	92.0	92.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2500	91.9	92.3	93.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2000	92.2	92.7	93.4	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1800	92.6	93.0	93.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	94.0	94.4	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	96.2	96.7	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	96.9	97.3	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	97.3	97.9	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	97.4	98.0	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	97.6	98.1	99.0	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 20000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 18000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 16000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 14000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 12000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 10000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 9000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 8000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 7000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 6000	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 5000	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 4000	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	96.7	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3000	97.7	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	98.0	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	98.7	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	98.8	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 20000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 18000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 16000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 14000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 12000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 10000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 9000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 8000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 20000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 18000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 16000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 14000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 12000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 10000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 9000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 8000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 7000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 20000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 18000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 16000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 14000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 12000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 10000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 9000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 7000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 5000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL:	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 20000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 18000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 16000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 14000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 12000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 10000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 9000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 8000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 5000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 20000	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 18000	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 16000	91.9	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 14000	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 12000	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 10000	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 9000	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 7000	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 6000	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 5000	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500	97.3	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	97.7	97.8	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	97.9	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	98.0	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	98.4	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	99.0	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.4	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 20000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 18000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 16000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 14000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 12000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 10000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 9000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 8000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 6000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 20000	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 18000	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 16000	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 14000	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 12000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 10000	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 9000	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 8000	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 5000	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4500	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4000	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3000	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB/SACRAMENTO CA PERIOD OF RECORD: AUG 81 - JUL 91
LST TO UTC: + 8 MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 20000	90.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 18000	91.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 16000	91.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 14000	92.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 12000	93.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 10000	94.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 9000	94.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 8000	95.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	95.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 6000	95.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 5000	95.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500	95.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4000	95.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3500	95.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	96.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	96.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	96.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	96.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	97.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	97.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	98.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	98.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 20000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 18000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 16000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 14000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 12000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 10000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 9000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 8000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 20000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 18000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 16000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 14000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 12000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 10000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 7000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 6000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 20000	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 18000	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 16000	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 14000	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 12000	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 10000	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 9000	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 8000	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 7000	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 5000	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 20000	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 18000	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 16000	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 14000	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 12000	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 10000	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 9000	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 8000	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 7000	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 20000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 18000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 16000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 14000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 12000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 10000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 9000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 8000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 7000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 20000	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 18000	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 16000	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 14000	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 12000	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 10000	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 9000	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 8000	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 7000	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 6000	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 5000	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4500	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7432

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 20000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 18000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 16000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 14000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 12000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 10000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 9000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 8000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 5000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 20000	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 18000	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 16000	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 14000	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 12000	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 10000	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 9000	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 8000	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 7000	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 6000	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.3	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 20000	88.8	90.4	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 18000	88.8	90.4	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 16000	88.9	90.5	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 14000	90.1	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 12000	92.2	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 10000	94.5	96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 9000	94.6	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 8000	94.8	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 7000	95.2	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 6000	95.2	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 5000	95.6	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	95.6	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4000	95.6	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	95.6	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	95.8	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	95.9	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	96.2	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	96.2	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	96.7	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	97.0	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	97.5	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 20000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 18000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 16000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 14000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 12000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 10000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 9000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 7000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 6000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 5000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 20000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 18000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 16000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 14000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 12000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 10000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 9000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 8000	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 7000	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 6000	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 20000	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 18000	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 16000	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 14000	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 12000	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 10000	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 9000	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 8000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 6000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 20000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 18000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 16000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 14000	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 12000	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 10000	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 9000	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 8000	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 20000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 18000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 16000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 14000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 12000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 10000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 9000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 8000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 7000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 20000	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 18000	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 16000	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 14000	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 12000	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 10000	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 9000	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 8000	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 5000	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4500	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3000	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 20000	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 18000	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 16000	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 14000	91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 12000	92.9	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 10000	94.9	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 9000	94.9	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 8000	95.8	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	95.8	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 6000	96.1	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 5000	96.9	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4500	97.4	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	97.4	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	98.4	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	98.4	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	98.4	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	98.4	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	98.6	98.7	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	98.9	99.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.3	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 20000	87.7	88.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 18000	87.7	88.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 16000	87.7	88.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 14000	88.3	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 12000	90.7	91.1	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 10000	92.7	93.2	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 9000	92.7	93.2	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 8000	93.1	93.7	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 7000	93.1	93.7	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 6000	94.0	94.6	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 5000	94.9	95.4	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	96.0	96.6	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4000	96.1	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	96.6	97.1	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	96.8	97.6	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	96.9	97.7	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	96.9	97.8	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	96.9	97.8	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	97.2	98.1	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	97.4	98.3	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	97.6	98.4	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	97.6	98.4	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	97.6	98.4	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	97.7	98.6	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	97.7	98.6	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	97.8	98.7	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.8	98.7	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.8	98.7	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.8	98.7	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.8	98.7	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.8	98.7	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.6	77.6	80.9	82.8	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 20000	77.8	79.8	83.1	85.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 18000	77.8	79.8	83.1	85.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 16000	77.8	79.8	83.1	85.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 14000	78.4	80.4	83.8	85.7	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 12000	79.7	81.7	85.2	87.1	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 10000	81.7	83.7	87.2	89.2	90.3	90.3	90.3	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	81.7	83.7	87.2	89.2	90.3	90.3	90.3	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 8000	82.1	84.1	87.7	89.7	90.8	90.8	90.8	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 7000	82.2	84.2	87.8	89.8	90.9	90.9	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 6000	82.6	84.6	88.2	90.2	91.3	91.3	91.3	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 5000	82.8	84.8	88.6	90.7	91.8	91.8	91.8	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4500	83.4	85.4	89.2	91.3	92.4	92.4	92.4	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	85.6	87.6	91.3	93.4	94.6	94.6	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3500	86.3	88.4	92.2	94.3	95.4	95.4	95.4	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3000	86.6	88.8	92.6	94.9	96.0	96.0	96.0	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2500	86.7	88.9	92.7	95.0	96.1	96.1	96.1	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	86.8	89.0	92.8	95.1	96.3	96.3	96.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	86.8	89.0	92.8	95.1	96.3	96.3	96.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	87.6	89.8	93.6	95.9	97.1	97.1	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	88.0	90.2	94.1	96.4	97.8	97.8	97.8	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	88.2	90.4	94.3	96.7	98.0	98.0	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	88.6	90.8	94.7	97.1	98.8	98.8	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	88.6	90.9	94.8	97.2	98.9	98.9	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	88.6	91.0	94.9	97.3	99.1	99.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	88.6	91.0	94.9	97.3	99.1	99.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	88.6	91.0	94.9	97.4	99.3	99.3	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	88.6	91.0	94.9	97.4	99.3	99.3	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	88.6	91.0	94.9	97.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.6	91.0	94.9	97.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.6	91.0	94.9	97.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.6	91.0	94.9	97.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.3	81.7	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 20000	83.4	85.0	87.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 18000	83.4	85.0	87.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 16000	83.6	85.1	88.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	84.2	85.8	88.7	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 12000	85.6	87.2	90.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 10000	87.0	88.7	91.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 9000	87.0	88.7	91.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 8000	87.3	89.0	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 7000	87.4	89.1	92.1	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 6000	88.4	90.1	93.1	94.0	94.0	94.0	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 5000	88.8	90.4	93.6	94.4	94.4	94.4	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4500	89.6	91.2	94.3	95.3	95.3	95.3	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4000	90.9	92.6	95.7	96.7	96.9	97.0	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3500	91.4	93.1	96.2	97.2	97.4	97.6	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3000	92.3	94.0	97.1	98.1	98.3	98.4	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	92.3	94.0	97.1	98.1	98.3	98.4	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	92.4	94.1	97.2	98.3	98.6	98.7	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	92.4	94.1	97.2	98.3	98.6	98.7	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	92.8	94.4	97.6	98.7	98.9	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	93.0	94.8	97.9	99.1	99.4	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	93.0	94.8	97.9	99.1	99.4	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.1	94.9	98.0	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.1	78.7	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 20000	81.9	83.4	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 18000	81.9	83.4	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 16000	81.9	83.4	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 14000	82.9	84.4	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 12000	85.1	86.7	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 10000	86.6	88.1	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 9000	86.7	88.2	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 8000	88.0	89.6	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 7000	88.1	89.7	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 6000	88.8	90.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 5000	89.1	90.8	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4500	90.0	91.7	95.2	95.7	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 4000	91.2	92.9	96.4	96.9	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3500	92.3	94.0	97.6	98.0	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	93.1	94.8	98.3	98.8	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	93.1	94.8	98.3	98.8	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	93.1	94.8	98.3	98.8	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	93.3	95.0	98.6	99.0	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	93.4	95.1	98.7	99.1	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	93.4	95.1	98.7	99.1	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	93.4	95.1	98.7	99.1	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	93.4	95.1	98.7	99.1	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	93.4	95.1	98.7	99.1	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.4	95.1	98.7	99.1	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.0	81.7	83.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 20000	86.2	86.9	89.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 18000	86.2	86.9	89.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 16000	86.2	86.9	89.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 14000	87.3	88.0	90.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 12000	89.2	89.9	92.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	91.6	92.2	94.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 9000	91.6	92.2	94.9	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 8000	92.3	93.0	95.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	92.3	93.0	95.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 6000	93.1	93.8	96.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 5000	93.1	93.8	96.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	93.7	94.3	97.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	94.1	94.8	97.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	94.8	95.4	98.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	94.9	95.6	98.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	94.9	95.6	98.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	94.9	95.6	98.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	94.9	95.6	98.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	94.9	95.6	98.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	94.9	95.6	98.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	94.9	95.6	98.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	94.9	95.6	98.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	94.9	95.6	98.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	94.9	95.6	98.3	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	94.9	95.6	98.3	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.9	95.6	98.3	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.9	95.6	98.3	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.9	95.6	98.3	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.9	95.6	98.3	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.9	95.6	98.3	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.9	95.6	98.3	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.0	84.8	85.1	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 20000	86.7	87.8	88.3	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 18000	86.7	87.8	88.3	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 16000	86.9	88.0	88.6	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 14000	88.3	89.4	90.0	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 12000	90.1	91.2	91.8	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 10000	92.2	93.3	94.2	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 9000	92.4	93.6	94.4	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 8000	93.9	95.0	95.9	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 7000	93.9	95.0	95.9	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 6000	94.7	95.8	96.9	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	94.7	95.8	96.9	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	94.9	96.0	97.1	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	95.8	96.9	98.0	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	96.4	97.6	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	96.4	97.6	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	96.4	97.6	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	96.4	97.6	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	96.4	97.6	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	96.4	97.6	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	96.4	97.6	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	96.4	97.6	98.8	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	96.4	97.6	98.8	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	96.4	97.6	98.8	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	96.4	97.6	98.8	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.6	97.7	98.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.6	97.7	98.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.6	97.7	98.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.6	97.7	98.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.6	97.7	98.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.6	97.7	98.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.6	97.7	98.9	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.4	87.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 20000	89.7	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 18000	89.7	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 16000	89.7	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 14000	90.0	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 12000	91.3	91.7	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 10000	93.8	94.2	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 9000	93.8	94.2	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 8000	95.4	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 7000	95.4	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 6000	95.7	96.1	96.6	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 5000	96.4	96.9	97.4	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	96.7	97.1	97.7	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	97.0	97.4	98.0	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	97.3	97.8	98.3	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	98.0	98.4	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	98.0	98.4	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	98.0	98.4	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	98.0	98.4	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	98.1	98.6	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.1	98.6	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.1	98.6	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.7	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.6	83.5	85.0	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 20000	85.5	86.4	88.0	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 18000	85.5	86.4	88.1	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 16000	85.5	86.5	88.1	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 14000	86.3	87.3	88.9	89.6	89.7	89.8	89.8	89.8	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 12000	88.1	89.1	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 10000	90.0	91.1	92.9	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 9000	90.1	91.1	92.9	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 8000	91.0	92.0	93.8	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 7000	91.0	92.1	93.9	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	91.7	92.7	94.6	95.4	95.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 5000	92.1	93.1	95.0	95.8	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4500	92.7	93.7	95.7	96.5	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000	93.5	94.5	96.5	97.3	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	94.1	95.2	97.1	97.9	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	94.6	95.7	97.6	98.4	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	94.6	95.7	97.6	98.5	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	94.6	95.7	97.7	98.6	98.8	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	94.7	95.8	97.7	98.6	98.8	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	94.9	96.0	97.9	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	95.0	96.1	98.1	99.0	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	95.1	96.2	98.2	99.1	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	95.2	96.3	98.3	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	95.2	96.3	98.3	99.2	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	95.2	96.3	98.3	99.2	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	95.2	96.3	98.3	99.2	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	95.2	96.3	98.3	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.2	96.3	98.3	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.2	96.3	98.3	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.2	96.3	98.3	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.2	96.3	98.3	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.2	96.3	98.3	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.1	81.3	81.8	81.9	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 20000	83.1	84.3	84.8	84.9	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 18000	83.2	84.4	84.9	85.1	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 16000	83.5	84.7	85.3	85.4	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 14000	84.0	85.2	85.7	85.8	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	85.7	86.9	87.4	87.6	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 10000	87.8	89.0	89.8	90.1	90.3	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	88.4	89.7	90.4	90.8	91.0	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 8000	89.9	91.2	91.9	92.3	92.5	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 7000	90.4	91.7	92.5	92.8	93.3	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 6000	92.4	93.7	94.4	94.7	95.3	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 5000	92.9	94.2	95.1	95.4	95.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	93.4	94.7	95.6	95.9	96.5	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000	94.2	95.5	96.5	96.8	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	94.3	95.6	96.7	97.1	97.6	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	94.6	95.9	97.0	97.4	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	94.6	95.9	97.0	97.4	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	94.6	95.9	97.0	97.4	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	94.6	95.9	97.0	97.4	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	94.7	96.1	97.2	97.6	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	95.1	96.5	97.5	98.0	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	95.2	96.6	97.6	98.2	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	95.2	96.7	97.7	98.3	98.8	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	95.2	96.7	97.7	98.4	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	95.2	96.7	97.7	98.4	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	95.2	96.7	97.7	98.4	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	95.2	96.7	97.7	98.4	98.9	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	95.2	96.7	97.7	98.4	98.9	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	95.2	96.7	97.7	98.5	99.0	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	95.2	96.7	97.7	98.5	99.0	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.9
GE 100	95.2	96.7	97.7	98.5	99.0	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0
GE 000	95.2	96.7	97.7	98.5	99.0	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.8	78.4	80.3	80.8	82.0	82.0	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5
GE 20000	80.1	80.6	82.6	83.0	84.3	84.3	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.7	84.7
GE 18000	80.3	80.9	82.8	83.2	84.5	84.5	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9
GE 16000	80.4	81.0	82.9	83.3	84.6	84.8	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3
GE 14000	80.8	81.3	83.2	83.7	84.9	85.2	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.6
GE 12000	82.4	82.9	84.8	85.8	87.2	87.4	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8
GE 10000	84.2	84.7	86.7	87.6	89.0	89.2	89.8	89.9	89.9	90.1	90.2	90.2	90.2	90.2	90.3	90.3
GE 9000	84.6	85.4	87.3	88.3	89.7	89.9	90.4	90.5	90.5	90.8	90.9	90.9	90.9	90.9	91.0	91.0
GE 8000	85.7	86.6	88.5	89.5	90.9	91.1	91.6	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.2	92.2
GE 7000	86.0	86.9	88.8	89.8	91.5	91.7	92.3	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.8	92.8
GE 6000	87.4	88.3	90.2	91.2	92.9	93.1	93.7	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.2	94.2
GE 5000	87.7	88.7	90.6	91.6	93.3	93.5	94.1	94.2	94.2	94.4	94.5	94.5	94.5	94.5	94.6	94.6
GE 4500	88.1	89.0	91.0	91.9	93.7	93.9	94.4	94.5	94.5	94.7	94.8	94.8	94.8	94.8	94.9	94.9
GE 4000	88.5	89.5	91.4	92.4	94.1	94.3	94.8	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.4	95.4
GE 3500	88.5	89.5	91.4	92.5	94.2	94.4	94.9	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.5	95.5
GE 3000	89.4	90.3	92.5	93.5	95.4	95.7	96.2	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.8	96.8
GE 2500	89.6	90.6	92.8	93.9	95.7	96.0	96.6	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.1	97.1
GE 2000	90.0	91.1	93.3	94.4	96.2	96.6	97.2	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.7	97.7
GE 1800	90.0	91.1	93.3	94.4	96.2	96.6	97.2	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.7	97.7
GE 1500	90.2	91.3	93.5	94.6	96.6	97.0	97.6	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.2	98.2
GE 1200	90.5	91.6	93.9	94.9	97.0	97.5	98.2	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.7	98.7
GE 1000	90.8	91.8	94.1	95.2	97.2	97.7	98.4	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9
GE 900	91.0	92.0	94.3	95.4	97.4	98.0	98.6	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1
GE 800	91.1	92.2	94.4	95.5	97.5	98.1	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.2
GE 700	91.1	92.2	94.4	95.5	97.5	98.1	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.2
GE 600	91.1	92.2	94.4	95.5	97.5	98.1	98.7	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.4	99.4
GE 500	91.1	92.2	94.4	95.6	97.7	98.3	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 400	91.1	92.2	94.4	95.6	97.7	98.3	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 300	91.1	92.2	94.4	95.6	97.7	98.3	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 200	91.1	92.2	94.4	95.6	97.7	98.3	98.9	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.7	99.8
GE 100	91.1	92.2	94.4	95.6	97.7	98.3	99.0	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.9	100.0
GE 000	91.1	92.2	94.4	95.6	97.7	98.3	99.0	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.9	67.7	71.9	75.1	76.3	76.7	76.9	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.6	77.7
GE 20000	67.6	70.5	74.8	78.3	79.6	80.0	80.3	80.6	80.6	80.9	81.0	81.0	81.0	81.0	81.1	81.2
GE 18000	68.1	71.0	75.3	78.7	80.0	80.4	80.8	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.5	81.6
GE 16000	68.1	71.0	75.3	78.7	80.0	80.4	80.8	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.5	81.6
GE 14000	69.1	72.0	76.3	79.8	81.1	81.5	81.8	82.2	82.2	82.4	82.5	82.5	82.5	82.5	82.6	82.7
GE 12000	70.8	73.7	78.1	81.6	82.9	83.3	83.8	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.5	84.6
GE 10000	72.5	75.5	80.1	83.8	85.2	85.6	86.3	86.7	86.7	87.0	87.1	87.1	87.1	87.1	87.2	87.3
GE 9000	72.6	75.6	80.2	83.9	85.3	85.7	86.5	86.8	86.8	87.1	87.2	87.2	87.2	87.2	87.3	87.4
GE 8000	73.5	76.7	81.3	85.2	86.6	87.0	87.7	88.1	88.1	88.4	88.5	88.5	88.5	88.5	88.6	88.7
GE 7000	73.9	77.0	81.6	85.5	86.9	87.3	88.2	88.5	88.5	88.8	88.9	88.9	88.9	88.9	89.0	89.1
GE 6000	74.8	78.0	82.7	86.6	88.0	88.4	89.2	89.6	89.6	89.9	90.0	90.0	90.0	90.0	90.1	90.2
GE 5000	75.8	78.9	83.9	87.7	89.1	89.7	90.5	90.9	90.9	91.2	91.3	91.3	91.3	91.3	91.4	91.5
GE 4500	76.2	79.4	84.3	88.2	89.6	90.1	91.0	91.3	91.3	91.6	91.7	91.7	91.7	91.7	91.8	91.9
GE 4000	77.1	80.2	85.4	89.4	90.8	91.3	92.2	92.5	92.5	92.8	92.9	92.9	92.9	92.9	93.0	93.1
GE 3500	77.4	80.5	85.7	89.7	91.1	91.6	92.5	92.8	92.9	93.2	93.3	93.3	93.3	93.3	93.4	93.5
GE 3000	77.5	80.8	85.9	89.9	91.3	91.8	92.7	93.0	93.1	93.4	93.5	93.5	93.5	93.5	93.7	93.8
GE 2500	77.7	81.0	86.2	90.2	91.6	92.2	93.0	93.3	93.4	93.8	93.9	93.9	93.9	93.9	94.0	94.1
GE 2000	78.3	81.5	86.9	90.9	92.3	92.8	93.7	94.0	94.1	94.4	94.5	94.5	94.5	94.5	94.6	94.7
GE 1800	78.5	81.7	87.1	91.1	92.5	93.0	93.9	94.2	94.3	94.6	94.7	94.7	94.7	94.7	94.8	94.9
GE 1500	78.5	81.7	87.2	91.3	92.7	93.2	94.1	94.4	94.5	94.8	94.9	94.9	94.9	94.9	95.1	95.2
GE 1200	79.2	82.5	88.1	92.3	93.8	94.3	95.2	95.5	95.6	95.9	96.0	96.0	96.0	96.0	96.1	96.2
GE 1000	79.8	83.0	88.6	92.9	94.4	94.9	95.8	96.1	96.2	96.6	96.7	96.7	96.7	96.7	96.8	96.9
GE 900	80.0	83.3	88.9	93.2	94.7	95.3	96.1	96.5	96.6	96.9	97.0	97.0	97.0	97.0	97.1	97.2
GE 800	80.0	83.3	88.9	93.2	94.7	95.3	96.2	96.6	96.7	97.0	97.1	97.1	97.1	97.1	97.2	97.3
GE 700	80.2	83.5	89.1	93.5	95.1	95.6	96.6	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.7	97.8
GE 600	80.3	83.7	89.4	93.9	95.4	95.9	96.9	97.3	97.5	97.8	98.0	98.0	98.0	98.0	98.1	98.2
GE 500	80.3	83.7	89.4	94.2	95.7	96.3	97.4	97.8	98.1	98.5	98.6	98.6	98.6	98.6	98.8	98.9
GE 400	80.3	83.7	89.4	94.2	95.7	96.3	97.5	98.0	98.3	98.7	98.8	98.8	98.8	98.8	99.0	99.2
GE 300	80.3	83.7	89.4	94.2	95.7	96.3	97.5	98.0	98.3	98.7	98.8	98.8	98.8	98.8	99.0	99.2
GE 200	80.3	83.7	89.4	94.2	95.7	96.3	97.5	98.0	98.3	98.7	98.8	98.8	98.8	98.8	99.0	99.2
GE 100	80.4	83.8	89.5	94.3	95.8	96.5	97.6	98.1	98.4	98.8	98.9	98.9	98.9	98.9	99.4	100.0
GE 000	80.4	83.8	89.5	94.3	95.8	96.5	97.6	98.1	98.4	98.8	98.9	98.9	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835 STATION NAME: MATHER AFB/SACRAMENTO CA PERIOD OF RECORD: AUG 81 - JUL 91
LST TO UTC: + 8 MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.5	72.4	75.3	76.3	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 20000	74.2	77.2	80.3	81.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 18000	74.7	77.7	80.9	82.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 16000	74.7	77.7	80.9	82.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 14000	75.7	78.7	81.8	83.1	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 12000	77.6	80.6	83.8	85.1	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 10000	80.0	83.0	86.3	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 9000	80.0	83.0	86.3	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 8000	81.2	84.5	88.0	89.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 7000	81.8	85.2	88.6	90.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 6000	82.2	85.5	88.9	90.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 5000	83.0	86.5	90.0	91.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4500	83.1	86.6	90.1	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4000	83.7	87.2	90.8	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3500	83.9	87.4	91.0	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	84.7	88.3	91.8	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2500	85.2	88.7	92.4	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000	86.0	89.6	93.3	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	86.1	89.7	93.4	95.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	86.6	90.3	94.1	96.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	87.1	90.9	94.6	96.6	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	87.1	90.9	94.6	96.7	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	87.5	91.3	95.1	97.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	87.5	91.3	95.1	97.1	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	87.5	91.3	95.1	97.1	98.5	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	87.5	91.3	95.1	97.1	98.5	98.7	98.9	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 500	87.5	91.3	95.1	97.1	98.5	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	87.5	91.3	95.1	97.1	98.5	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	87.5	91.3	95.1	97.1	98.5	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	87.5	91.3	95.1	97.1	98.5	98.7	99.1	99.6	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0
GE 100	87.5	91.3	95.1	97.1	98.5	98.7	99.1	99.6	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0
GE 000	87.5	91.3	95.1	97.1	98.5	98.7	99.1	99.6	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.5	75.1	77.2	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 20000	79.4	80.9	83.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 18000	80.0	81.5	83.8	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 16000	80.0	81.5	83.8	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 14000	81.4	82.9	85.2	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 12000	82.9	84.4	87.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 10000	84.4	86.0	88.6	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 9000	84.6	86.2	88.9	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 8000	85.9	87.5	90.3	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	86.3	88.0	90.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 6000	86.6	88.3	91.2	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 5000	88.0	89.8	92.8	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4500	88.3	90.1	93.1	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 4000	89.8	91.6	94.6	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	90.6	92.5	95.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3000	91.2	93.0	96.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	91.4	93.2	96.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	91.5	93.3	96.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	91.5	93.3	96.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	91.8	93.7	96.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	91.9	93.8	97.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	92.0	93.9	97.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	92.0	93.9	97.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	92.0	93.9	97.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.0	93.9	97.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.6	76.7	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 20000	79.6	82.0	83.5	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 18000	80.2	82.7	84.2	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 16000	80.8	83.2	84.7	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 14000	81.9	84.4	85.9	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 12000	85.1	87.5	89.0	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 10000	87.1	89.7	91.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 9000	87.1	89.9	91.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 8000	88.8	91.6	93.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 7000	89.1	91.9	93.7	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 6000	90.2	93.0	94.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 5000	91.1	94.2	96.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4500	91.4	94.5	96.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4000	92.4	95.5	97.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	92.5	95.6	97.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	92.9	96.0	98.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	93.0	96.1	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	93.1	96.2	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	93.1	96.2	98.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.1	96.2	98.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.1	80.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 20000	83.5	84.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 18000	83.7	84.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 16000	84.4	84.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 14000	85.5	86.0	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 12000	88.4	88.9	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 10000	90.3	90.9	91.9	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 9000	90.5	91.1	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 8000	92.4	92.9	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 7000	92.6	93.1	94.5	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 6000	93.0	93.5	94.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 5000	93.7	94.2	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500	94.2	94.8	96.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4000	95.3	95.9	97.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	95.3	95.9	97.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	95.4	96.0	97.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	95.5	96.1	97.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	95.6	96.2	97.7	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	95.6	96.2	97.7	99.1	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	95.6	96.2	97.7	99.1	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	95.6	96.2	97.7	99.1	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	95.6	96.2	97.7	99.1	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	95.6	96.2	97.7	99.1	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	95.6	96.2	97.7	99.1	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	95.7	96.3	97.8	99.2	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	95.7	96.3	97.8	99.2	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	95.7	96.3	97.8	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	95.7	96.3	97.8	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	95.7	96.3	97.8	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	95.7	96.3	97.8	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	95.7	96.3	97.8	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	95.7	96.3	97.8	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.0	81.6	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 20000	82.9	83.5	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 18000	83.2	83.9	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 16000	83.7	84.3	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 14000	85.2	85.8	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 12000	87.6	88.3	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 10000	90.3	91.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 9000	90.6	91.3	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 8000	92.2	92.8	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 7000	92.4	93.1	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 6000	93.7	94.4	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 5000	93.9	94.6	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4500	94.2	94.9	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000	95.3	96.0	96.8	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3500	95.5	96.2	97.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3000	95.9	96.7	97.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	95.9	96.7	97.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	95.9	96.7	97.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	95.9	96.7	97.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	95.9	96.7	97.6	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	95.9	96.7	97.6	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	95.9	96.7	97.6	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	96.0	96.8	97.7	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	96.0	96.9	97.8	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	96.0	96.9	97.8	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	96.0	96.9	97.8	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	96.0	96.9	97.8	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	96.0	96.9	97.8	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	96.0	96.9	97.8	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	96.0	96.9	97.8	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	96.0	96.9	97.8	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 000	96.0	96.9	97.8	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.2	76.7	78.5	79.4	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 20000	78.8	80.4	82.3	83.3	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1
GE 18000	79.2	80.8	82.7	83.6	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 16000	79.4	81.0	83.0	83.9	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 14000	80.4	82.0	84.0	84.9	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
GE 12000	82.6	84.2	86.1	87.2	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1
GE 10000	84.6	86.2	88.3	89.5	90.0	90.1	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
GE 9000	84.8	86.5	88.6	89.8	90.3	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 8000	86.2	88.0	90.1	91.4	92.0	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.5	92.5
GE 7000	86.6	88.4	90.5	91.9	92.5	92.6	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
GE 6000	87.5	89.3	91.5	92.9	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
GE 5000	88.3	90.1	92.4	93.8	94.5	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 4500	88.6	90.5	92.8	94.2	94.9	95.0	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	89.5	91.4	93.8	95.3	96.0	96.1	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5
GE 3500	89.7	91.7	94.0	95.6	96.3	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8
GE 3000	90.2	92.1	94.5	96.1	96.8	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 2500	90.4	92.3	94.7	96.3	97.1	97.2	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	90.6	92.6	95.0	96.7	97.4	97.5	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	90.7	92.6	95.1	96.7	97.5	97.6	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
GE 1500	90.8	92.8	95.3	97.0	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	91.1	93.0	95.6	97.3	98.1	98.3	98.5	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	91.2	93.2	95.7	97.4	98.3	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	91.3	93.3	95.8	97.6	98.4	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	91.3	93.3	95.9	97.6	98.5	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	91.4	93.4	95.9	97.7	98.5	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
GE 600	91.4	93.4	95.9	97.7	98.6	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 500	91.4	93.4	95.9	97.8	98.7	98.9	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 400	91.4	93.4	95.9	97.8	98.7	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 300	91.4	93.4	95.9	97.8	98.7	99.0	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	91.4	93.4	95.9	97.8	98.7	99.0	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
GE 100	91.4	93.4	96.0	97.8	98.7	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.9	100.0
GE 000	91.4	93.4	96.0	97.8	98.7	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.7	53.2	56.0	57.3	59.1	59.8	60.1	60.3	60.3	60.6	60.9	60.9	61.1	61.2	61.3	62.0
GE 20000	54.2	56.9	59.7	61.3	63.1	63.8	64.1	64.3	64.3	64.6	64.9	64.9	65.1	65.2	65.3	66.1
GE 18000	54.4	57.1	59.9	61.6	63.3	64.0	64.3	64.6	64.6	64.8	65.1	65.1	65.3	65.4	65.6	66.3
GE 16000	54.4	57.1	59.9	61.6	63.3	64.0	64.3	64.6	64.6	64.8	65.1	65.1	65.3	65.4	65.6	66.3
GE 14000	55.4	58.4	61.2	62.9	64.7	65.3	65.7	65.9	65.9	66.1	66.4	66.4	66.7	66.8	66.9	67.7
GE 12000	56.8	59.8	62.6	64.4	66.7	67.3	67.7	67.9	67.9	68.1	68.4	68.4	68.7	68.8	68.9	69.7
GE 10000	60.1	63.4	66.8	68.7	71.1	71.8	72.2	72.4	72.4	72.7	73.0	73.0	73.2	73.3	73.4	74.2
GE 9000	60.1	63.6	66.9	68.8	71.3	72.0	72.4	72.7	72.7	72.9	73.2	73.2	73.4	73.6	73.7	74.4
GE 8000	62.6	66.1	69.6	71.7	74.7	75.4	75.9	76.1	76.1	76.3	76.7	76.7	76.9	77.0	77.1	77.9
GE 7000	62.9	66.4	69.9	72.0	75.0	75.8	76.2	76.4	76.4	76.7	77.0	77.0	77.2	77.3	77.4	78.2
GE 6000	63.6	67.6	71.0	73.3	76.4	77.2	77.9	78.1	78.1	78.3	78.7	78.7	78.9	79.0	79.1	79.9
GE 5000	64.8	68.9	72.4	74.9	78.0	78.8	79.4	79.7	79.7	80.0	80.3	80.3	80.6	80.7	80.8	81.6
GE 4500	67.6	71.7	75.3	77.9	81.1	81.9	82.6	82.8	82.8	83.1	83.4	83.4	83.7	83.8	83.9	84.7
GE 4000	68.8	73.1	77.2	80.0	83.6	84.4	85.1	85.3	85.3	85.7	86.0	86.0	86.2	86.3	86.4	87.2
GE 3500	69.3	73.7	77.8	80.7	84.3	85.2	85.9	86.1	86.1	86.4	86.8	86.8	87.0	87.1	87.2	88.0
GE 3000	70.7	75.2	79.7	83.0	86.9	87.8	88.4	88.7	88.7	89.0	89.3	89.3	89.7	89.8	89.9	90.7
GE 2500	71.0	75.8	80.4	83.8	87.7	88.6	89.2	89.4	89.4	89.8	90.1	90.1	90.4	90.6	90.7	91.4
GE 2000	71.7	76.4	81.3	84.7	88.6	89.6	90.2	90.4	90.4	90.8	91.1	91.1	91.4	91.6	91.7	92.4
GE 1800	71.7	76.4	81.3	84.8	88.8	89.8	90.4	90.7	90.7	91.0	91.3	91.3	91.7	91.8	91.9	92.7
GE 1500	72.1	76.9	81.8	85.7	89.7	90.7	91.3	91.6	91.6	91.9	92.2	92.2	92.6	92.7	92.8	93.6
GE 1200	72.2	77.2	82.1	86.1	90.1	91.1	91.8	92.0	92.0	92.3	92.7	92.7	93.0	93.1	93.2	94.0
GE 1000	72.6	77.9	82.8	86.8	90.8	91.8	92.8	93.0	93.0	93.3	93.8	93.8	94.1	94.2	94.3	95.1
GE 900	72.7	78.0	82.9	86.9	91.0	92.0	93.0	93.3	93.3	93.7	94.1	94.1	94.4	94.7	94.8	95.6
GE 800	72.7	78.0	82.9	86.9	91.0	92.0	93.0	93.3	93.3	93.7	94.1	94.1	94.4	94.7	94.8	95.7
GE 700	72.9	78.2	83.2	87.2	91.3	92.3	93.3	93.7	93.7	94.0	94.4	94.4	94.8	95.0	95.1	96.0
GE 600	73.0	78.3	83.4	87.4	91.7	92.7	93.7	94.0	94.0	94.3	94.8	94.8	95.1	95.3	95.4	96.3
GE 500	73.0	78.3	83.4	87.4	91.8	92.8	93.8	94.1	94.1	94.4	94.9	94.9	95.2	95.4	95.6	96.4
GE 400	73.1	78.4	83.6	87.6	92.1	93.1	94.1	94.4	94.6	94.9	95.3	95.3	95.7	96.0	96.1	97.2
GE 300	73.1	78.4	83.6	87.6	92.1	93.2	94.2	94.6	94.7	95.0	95.4	95.4	95.8	96.1	96.2	97.3
GE 200	73.1	78.4	83.6	87.6	92.2	93.3	94.6	94.9	95.0	95.6	96.0	96.1	96.4	96.8	96.9	98.3
GE 100	73.1	78.4	83.6	87.6	92.2	93.3	94.6	94.9	95.0	95.7	96.2	96.3	96.7	97.0	97.1	99.2
GE 000	73.1	78.4	83.6	87.6	92.2	93.3	94.6	94.9	95.0	95.7	96.2	96.3	96.7	97.0	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.6	49.8	52.4	53.8	55.4	56.8	57.1	57.2	57.3	57.7	58.1	58.1	58.6	58.8	59.1	59.9
GE 20000	52.3	53.7	56.4	57.8	59.6	60.9	61.2	61.3	61.4	61.8	62.2	62.2	62.7	62.9	63.2	64.0
GE 18000	52.4	53.8	56.6	57.9	59.7	61.0	61.3	61.4	61.6	61.9	62.3	62.3	62.8	63.0	63.3	64.1
GE 16000	52.7	54.0	56.8	58.1	59.9	61.2	61.6	61.7	61.8	62.1	62.6	62.6	63.0	63.2	63.6	64.3
GE 14000	53.9	55.2	58.0	59.3	61.1	62.4	62.8	62.9	63.0	63.4	63.9	63.9	64.3	64.6	64.9	65.7
GE 12000	55.3	56.7	59.7	61.3	63.4	64.8	65.1	65.2	65.3	65.8	66.2	66.2	66.7	66.9	67.2	68.0
GE 10000	59.2	60.9	64.7	66.3	68.8	70.1	70.4	70.6	70.7	71.1	71.6	71.6	72.0	72.2	72.6	73.3
GE 9000	59.4	61.4	65.2	66.9	69.3	70.7	71.0	71.1	71.2	71.7	72.1	72.1	72.6	72.8	73.1	73.9
GE 8000	61.9	63.9	67.9	69.6	72.2	73.6	73.9	74.0	74.1	74.6	75.0	75.0	75.4	75.8	76.1	76.9
GE 7000	62.0	64.0	68.0	69.7	72.3	73.7	74.1	74.2	74.3	74.8	75.2	75.2	75.7	76.0	76.3	77.1
GE 6000	62.0	64.0	68.0	69.7	72.3	73.7	74.2	74.3	74.4	74.9	75.3	75.3	75.8	76.1	76.4	77.2
GE 5000	63.2	65.2	69.7	71.3	74.1	75.4	76.0	76.1	76.2	76.7	77.1	77.1	77.6	77.9	78.2	79.0
GE 4500	65.3	67.3	72.1	73.8	76.6	77.9	78.4	78.6	78.7	79.1	79.6	79.6	80.0	80.3	80.7	81.4
GE 4000	66.1	68.1	73.1	75.1	78.1	79.4	80.0	80.1	80.2	80.7	81.1	81.1	81.6	81.9	82.2	83.0
GE 3500	66.7	68.7	73.7	75.9	79.2	80.6	81.1	81.2	81.3	81.8	82.2	82.2	82.7	83.0	83.3	84.1
GE 3000	68.2	70.7	76.1	79.2	83.3	84.9	85.4	85.6	85.8	86.2	86.7	86.7	87.1	87.4	87.8	88.6
GE 2500	68.2	70.8	76.3	79.4	83.7	85.3	85.9	86.0	86.2	86.7	87.1	87.1	87.6	87.9	88.2	89.0
GE 2000	68.9	71.8	77.6	81.2	85.9	87.6	88.1	88.2	88.4	88.9	89.3	89.3	89.8	90.1	90.4	91.2
GE 1800	69.0	71.9	77.7	81.3	86.0	87.7	88.3	88.4	88.7	89.1	89.6	89.6	90.0	90.3	90.7	91.4
GE 1500	69.2	72.3	78.3	82.0	86.8	88.6	89.2	89.3	89.6	90.0	90.4	90.4	90.9	91.2	91.6	92.3
GE 1200	69.6	72.8	78.9	82.6	87.3	89.1	89.8	89.9	90.1	90.7	91.1	91.1	91.6	91.9	92.2	93.0
GE 1000	69.6	72.9	79.0	82.7	87.6	89.3	90.0	90.1	90.3	90.9	91.3	91.3	91.8	92.1	92.4	93.2
GE 900	69.7	73.0	79.1	82.8	87.7	89.4	90.1	90.3	90.6	91.1	91.6	91.6	92.0	92.3	92.7	93.4
GE 800	69.7	73.0	79.1	82.8	87.7	89.4	90.1	90.3	90.6	91.1	91.6	91.6	92.0	92.3	92.7	93.4
GE 700	69.8	73.2	79.3	83.0	87.9	89.7	90.3	90.6	90.8	91.3	91.8	91.9	92.3	92.8	93.1	93.9
GE 600	69.8	73.2	79.3	83.1	88.0	89.8	90.4	90.7	90.9	91.4	91.9	92.0	92.4	92.9	93.2	94.1
GE 500	69.8	73.2	79.3	83.1	88.1	90.1	90.8	91.3	91.6	92.2	92.7	92.8	93.2	93.7	94.0	95.1
GE 400	69.8	73.2	79.4	83.2	88.3	90.3	91.1	91.7	92.0	92.7	93.1	93.2	93.7	94.1	94.4	96.1
GE 300	69.8	73.3	79.7	83.4	88.8	90.8	91.6	92.2	92.6	93.6	94.0	94.1	94.6	95.3	95.7	97.7
GE 200	69.8	73.3	79.7	83.4	88.8	90.8	91.6	92.2	92.7	93.8	94.2	94.3	94.9	95.7	96.0	98.0
GE 100	69.8	73.3	79.7	83.4	88.8	90.8	91.6	92.3	92.8	93.9	94.3	94.4	95.0	96.2	97.0	99.8
GE 000	69.8	73.3	79.7	83.4	88.8	90.8	91.6	92.3	92.8	93.9	94.3	94.4	95.0	96.2	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.9	43.1	45.8	48.0	50.0	51.2	52.9	53.3	53.4	53.7	54.7	54.7	55.4	56.0	56.6	58.0
GE 20000	44.3	46.8	49.8	52.2	54.2	55.6	57.4	58.1	58.2	58.4	59.4	59.4	60.2	60.8	61.3	62.8
GE 18000	44.7	47.1	50.1	52.6	54.6	55.9	57.8	58.4	58.6	58.8	59.8	59.8	60.6	61.1	61.7	63.1
GE 16000	44.8	47.2	50.2	52.7	54.7	56.0	57.9	58.6	58.7	58.9	59.9	59.9	60.7	61.2	61.8	63.2
GE 14000	45.4	47.9	51.0	53.8	56.0	57.4	59.4	60.1	60.2	60.4	61.4	61.4	62.2	62.8	63.3	64.8
GE 12000	47.3	49.8	53.0	56.1	58.3	59.8	61.8	62.4	62.6	62.8	63.8	63.8	64.6	65.1	65.7	67.1
GE 10000	50.4	53.3	56.8	60.0	63.1	64.6	66.9	67.7	67.8	68.0	69.0	69.0	69.8	70.3	71.0	72.6
GE 9000	50.7	53.7	57.1	60.3	63.4	64.9	67.2	68.0	68.1	68.3	69.3	69.3	70.1	70.7	71.3	72.9
GE 8000	52.3	55.4	58.9	62.1	65.4	66.9	69.3	70.1	70.3	70.6	71.6	71.6	72.3	72.9	73.6	75.1
GE 7000	53.3	56.4	60.0	63.3	66.7	68.1	70.6	71.3	71.6	71.9	72.9	72.9	73.7	74.2	74.9	76.4
GE 6000	54.0	57.1	60.7	64.0	67.3	68.9	71.3	72.1	72.3	72.7	73.7	73.7	74.4	75.0	75.7	77.2
GE 5000	55.0	58.1	61.8	65.1	68.4	70.0	72.4	73.2	73.4	73.9	74.9	74.9	75.7	76.2	76.9	78.4
GE 4500	55.9	59.2	63.1	66.6	70.2	71.8	74.2	75.0	75.2	75.7	76.7	76.7	77.4	78.0	78.7	80.2
GE 4000	56.6	59.9	63.9	67.6	71.6	73.2	75.9	76.7	77.0	77.4	78.4	78.4	79.2	79.8	80.4	82.0
GE 3500	57.1	60.4	64.8	68.9	73.0	74.9	77.6	78.3	78.7	79.1	80.1	80.1	80.9	81.4	82.1	83.7
GE 3000	58.4	61.9	66.9	71.2	75.7	77.7	80.6	81.4	81.8	82.3	83.3	83.3	84.1	84.7	85.3	86.9
GE 2500	58.6	62.0	67.2	71.6	76.2	78.2	81.1	82.0	82.3	82.9	83.9	83.9	84.7	85.2	85.9	87.4
GE 2000	59.0	62.6	68.3	72.8	78.0	80.1	83.1	84.0	84.3	84.9	86.0	86.0	86.8	87.3	88.0	89.6
GE 1800	59.1	62.7	68.4	73.1	78.3	80.4	83.4	84.3	84.7	85.2	86.3	86.3	87.1	87.7	88.3	89.9
GE 1500	59.2	62.8	68.7	73.3	78.9	81.3	84.3	85.3	85.7	86.2	87.4	87.4	88.2	88.8	89.4	91.0
GE 1200	59.7	63.2	69.1	73.8	79.6	82.1	85.2	86.3	86.7	87.2	88.7	88.7	89.4	90.0	90.7	92.2
GE 1000	60.0	63.7	69.8	74.7	80.6	83.1	86.2	87.4	87.9	88.4	89.9	89.9	90.7	91.2	91.9	93.4
GE 900	60.2	63.9	70.1	75.1	81.1	83.7	86.9	88.2	88.7	89.3	90.8	90.8	91.6	92.1	92.8	94.3
GE 800	60.2	63.9	70.1	75.1	81.1	83.7	86.9	88.2	88.7	89.3	90.8	90.8	91.6	92.1	92.8	94.3
GE 700	60.2	63.9	70.1	75.1	81.1	83.7	86.9	88.2	88.8	89.7	91.1	91.1	91.9	92.4	93.1	94.7
GE 600	60.2	64.0	70.2	75.2	81.2	83.8	87.0	88.3	89.0	89.9	91.4	91.4	92.2	92.8	93.4	95.0
GE 500	60.2	64.0	70.2	75.2	81.3	83.9	87.2	88.6	89.2	90.1	91.8	91.8	92.6	93.1	93.8	95.3
GE 400	60.2	64.0	70.3	75.3	81.6	84.1	87.6	88.9	89.7	90.9	92.6	92.6	93.3	93.9	94.6	96.2
GE 300	60.2	64.0	70.4	75.4	81.8	84.3	88.0	89.3	90.2	91.4	93.2	93.2	94.0	94.7	95.4	97.2
GE 200	60.2	64.0	70.4	75.4	81.8	84.3	88.0	89.4	90.4	91.8	93.9	94.0	94.9	95.8	96.8	98.7
GE 100	60.2	64.0	70.4	75.4	81.8	84.3	88.0	89.4	90.4	91.8	94.0	94.1	95.0	96.0	97.2	99.9
GE 000	60.2	64.0	70.4	75.4	81.8	84.3	88.0	89.4	90.4	91.8	94.0	94.1	95.0	96.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.9	41.0	44.6	46.6	48.7	49.2	50.2	50.6	50.7	50.8	50.8	50.8	51.3	51.6	51.7	51.9
GE 20000	42.8	46.2	50.2	52.8	55.3	56.0	57.3	57.8	57.9	58.0	58.0	58.0	58.6	58.8	58.9	59.1
GE 18000	43.4	47.0	51.1	53.8	56.3	57.0	58.3	58.8	58.9	59.0	59.0	59.0	59.6	59.8	59.9	60.1
GE 16000	43.7	47.4	51.6	54.2	56.8	57.4	58.8	59.2	59.3	59.4	59.4	59.4	60.0	60.2	60.3	60.6
GE 14000	45.0	48.8	53.3	56.1	58.8	59.4	60.8	61.2	61.3	61.4	61.4	61.4	62.0	62.2	62.3	62.6
GE 12000	47.8	51.6	56.2	59.0	61.7	62.7	64.0	64.4	64.6	64.7	64.7	64.7	65.2	65.4	65.6	65.8
GE 10000	51.4	55.6	60.6	63.4	66.6	67.8	69.2	69.7	69.8	69.9	69.9	69.9	70.4	70.7	70.8	71.0
GE 9000	51.6	55.7	60.7	63.6	66.7	67.9	69.3	69.8	69.9	70.0	70.0	70.0	70.6	70.8	70.9	71.1
GE 8000	53.9	58.0	63.0	66.0	69.4	70.9	72.3	72.8	72.9	73.0	73.0	73.0	73.6	73.8	73.9	74.1
GE 7000	54.7	58.8	63.9	66.9	70.3	71.8	73.2	73.7	73.8	73.9	73.9	73.9	74.4	74.7	74.8	75.0
GE 6000	55.9	60.0	65.1	68.1	71.7	73.1	74.6	75.0	75.1	75.2	75.2	75.2	75.8	76.0	76.1	76.3
GE 5000	56.7	60.9	66.1	69.1	72.9	74.3	75.8	76.2	76.3	76.6	76.6	76.6	77.1	77.3	77.4	77.7
GE 4500	57.8	62.0	67.3	70.3	74.1	75.6	77.0	77.4	77.6	77.8	77.8	77.8	78.3	78.6	78.7	78.9
GE 4000	58.9	63.2	68.8	72.2	76.0	77.4	79.1	79.9	80.0	80.2	80.2	80.2	80.8	81.0	81.1	81.3
GE 3500	59.8	64.1	69.7	73.1	77.0	78.4	80.1	80.9	81.0	81.2	81.2	81.2	81.8	82.0	82.1	82.3
GE 3000	61.7	66.1	71.7	75.1	79.2	81.2	83.1	84.3	84.6	84.9	84.9	84.9	85.4	85.7	85.8	86.0
GE 2500	61.9	66.4	72.4	76.0	80.1	82.2	84.2	85.7	85.9	86.2	86.2	86.2	86.8	87.0	87.1	87.3
GE 2000	63.0	67.6	73.6	77.4	81.6	83.7	85.7	87.4	87.7	88.0	88.0	88.0	88.6	88.8	88.9	89.1
GE 1800	63.0	67.6	73.6	77.4	81.7	83.8	85.8	87.6	87.8	88.1	88.1	88.1	88.7	88.9	89.0	89.2
GE 1500	63.1	67.7	73.7	77.6	81.8	83.9	86.1	88.1	88.3	88.7	88.7	88.7	89.2	89.4	89.6	89.8
GE 1200	63.3	68.0	74.0	77.9	82.2	84.6	86.9	89.0	89.2	89.6	89.7	89.7	90.2	90.4	90.6	90.8
GE 1000	63.3	68.1	74.1	78.0	82.3	84.8	87.2	89.4	89.7	90.0	90.1	90.1	90.7	90.9	91.0	91.2
GE 900	63.7	68.4	74.8	78.7	83.1	85.9	88.6	91.0	91.2	91.6	91.7	91.7	92.2	92.4	92.6	92.8
GE 800	63.8	68.6	74.9	78.8	83.4	86.2	89.2	91.7	91.9	92.2	92.3	92.3	92.9	93.1	93.2	93.4
GE 700	63.9	68.7	75.0	78.9	83.6	86.4	89.8	92.3	92.7	93.0	93.1	93.1	93.7	93.9	94.0	94.2
GE 600	64.0	69.0	75.3	79.4	84.4	87.4	90.9	93.4	93.8	94.1	94.2	94.2	94.8	95.0	95.1	95.3
GE 500	64.1	69.2	75.6	79.9	85.0	88.0	91.6	94.4	95.0	95.4	95.6	95.6	96.1	96.3	96.4	96.7
GE 400	64.2	69.3	75.7	80.0	85.3	88.4	92.2	95.6	96.2	97.0	97.2	97.2	97.8	98.0	98.3	98.6
GE 300	64.2	69.3	75.7	80.0	85.3	88.4	92.2	95.8	96.7	97.4	97.9	97.9	98.4	98.7	99.0	99.3
GE 200	64.2	69.3	75.7	80.0	85.3	88.4	92.2	95.8	96.7	97.6	98.2	98.2	98.9	99.2	99.6	99.9
GE 100	64.2	69.3	75.7	80.0	85.3	88.4	92.2	95.8	96.7	97.6	98.2	98.3	99.0	99.3	99.7	100.0
GE 000	64.2	69.3	75.7	80.0	85.3	88.4	92.2	95.8	96.7	97.6	98.2	98.3	99.0	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.3	43.8	46.7	49.1	50.6	50.8	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0
GE 20000	47.6	51.0	55.0	57.6	59.3	59.8	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1
GE 18000	48.0	51.4	55.4	58.0	59.9	60.3	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
GE 16000	48.1	51.6	55.6	58.2	60.1	60.6	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	50.0	53.6	58.3	61.6	63.8	64.3	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7
GE 12000	52.6	56.2	61.1	64.6	66.8	67.7	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
GE 10000	55.8	59.9	65.2	69.1	71.6	72.7	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1
GE 9000	55.9	60.0	65.3	69.2	71.7	72.8	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
GE 8000	58.2	62.3	68.0	72.0	75.0	76.1	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6
GE 7000	58.9	63.0	68.7	72.7	75.7	76.8	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
GE 6000	60.3	64.4	70.2	74.3	77.3	78.4	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9
GE 5000	61.6	65.7	71.7	75.9	79.0	80.1	80.4	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	62.4	66.6	72.7	76.9	80.0	81.2	81.6	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
GE 4000	64.3	68.4	74.7	79.1	82.4	83.7	84.0	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6
GE 3500	64.9	69.1	75.3	79.9	83.3	84.6	85.0	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	66.2	70.6	77.0	82.0	85.4	86.8	87.4	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
GE 2500	67.0	71.3	77.9	83.0	86.4	87.9	88.7	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	68.1	72.4	79.2	84.3	87.8	89.4	90.3	91.6	91.6	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 1800	68.2	72.6	79.3	84.4	87.9	89.6	90.6	91.9	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	68.4	73.0	80.1	85.2	88.7	90.3	91.3	92.8	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	69.3	74.2	81.7	86.9	90.6	92.4	93.6	95.0	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	69.4	74.3	81.8	87.1	90.8	92.9	94.1	95.6	95.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	69.7	74.7	82.1	87.4	91.4	93.6	94.8	96.3	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	69.7	74.7	82.1	87.7	91.8	94.0	95.3	96.9	96.9	97.3	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	69.9	74.9	82.4	88.0	92.1	94.4	96.1	97.7	97.7	98.3	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	69.9	75.0	82.6	88.1	92.3	94.8	96.4	98.1	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	69.9	75.0	82.6	88.1	92.3	94.9	96.7	98.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	69.9	75.0	82.6	88.1	92.3	95.0	96.9	98.7	98.7	99.4	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	69.9	75.0	82.6	88.1	92.3	95.0	96.9	98.7	98.7	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	69.9	75.0	82.6	88.1	92.3	95.0	96.9	98.7	98.7	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	69.9	75.0	82.6	88.1	92.3	95.0	96.9	98.7	98.7	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	69.9	75.0	82.6	88.1	92.3	95.0	96.9	98.7	98.7	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	51.6	53.6	54.7	55.7	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 20000	55.0	59.0	62.1	63.8	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	55.7	59.7	62.8	64.4	66.0	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	55.8	59.8	62.9	64.6	66.1	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 14000	57.8	62.0	65.6	67.6	69.1	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 12000	58.9	63.1	67.1	69.2	70.9	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 10000	63.0	67.4	71.8	74.2	75.9	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 9000	63.0	67.4	71.8	74.2	75.9	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 8000	64.8	69.2	73.9	76.7	78.6	79.3	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 7000	65.2	69.7	74.3	77.1	79.0	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 6000	65.9	70.8	75.4	78.8	80.9	81.7	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 5000	67.2	72.2	76.9	80.2	82.3	83.3	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 4500	68.2	73.6	78.3	82.1	84.6	85.6	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 4000	69.9	75.2	80.2	84.3	87.0	88.0	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3500	70.9	76.2	81.2	85.3	88.0	89.0	89.7	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 3000	72.2	77.6	82.7	86.9	89.7	90.7	91.8	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	72.8	78.1	83.3	87.6	90.3	91.3	92.4	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	73.1	78.4	83.9	88.1	91.0	92.1	93.3	94.0	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800	73.1	78.4	83.9	88.1	91.0	92.1	93.6	94.3	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 1500	73.3	78.8	84.2	88.4	91.3	92.6	94.1	94.9	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 1200	73.8	79.2	84.7	89.0	92.6	93.8	95.4	96.3	96.3	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	73.9	79.4	84.9	89.2	93.0	94.6	96.7	97.7	97.7	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	73.9	79.4	84.9	89.2	93.3	94.9	97.2	98.2	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	73.9	79.4	84.9	89.4	93.6	95.2	97.6	98.6	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	73.9	79.4	84.9	89.4	93.6	95.2	97.7	98.9	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	73.9	79.4	84.9	89.4	93.6	95.2	97.7	98.9	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	73.9	79.4	84.9	89.4	93.6	95.2	97.7	98.9	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	73.9	79.4	84.9	89.4	93.6	95.2	97.8	99.0	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	73.9	79.4	84.9	89.4	93.6	95.2	97.8	99.0	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	73.9	79.4	84.9	89.4	93.6	95.2	97.8	99.0	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	73.9	79.4	84.9	89.4	93.6	95.2	97.8	99.0	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	73.9	79.4	84.9	89.4	93.6	95.2	97.8	99.0	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.2	54.6	56.6	57.7	58.8	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 20000	57.4	60.1	62.4	63.7	64.8	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	58.1	60.9	63.2	64.4	65.6	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	58.2	61.0	63.3	64.6	65.7	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 14000	59.6	62.3	65.0	66.3	67.8	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 12000	61.4	64.7	67.7	69.2	71.1	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 10000	66.2	69.8	73.3	74.9	77.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 9000	66.2	69.8	73.3	74.9	77.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 8000	67.7	71.6	75.1	76.9	79.1	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 7000	68.8	72.7	76.2	78.0	80.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 6000	70.1	74.1	78.2	80.2	82.7	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 5000	72.0	76.0	80.3	82.4	85.1	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 4500	73.7	77.7	82.1	84.3	87.0	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 4000	75.6	79.6	84.0	86.3	89.1	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 3500	75.8	79.8	84.3	86.7	89.4	90.1	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	77.0	81.0	85.9	88.3	91.2	91.9	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
GE 2500	78.1	82.1	87.1	89.8	92.7	93.3	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	78.4	82.4	87.7	90.7	93.6	94.3	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	78.4	82.4	87.7	90.7	93.6	94.3	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	78.6	82.7	88.0	91.0	94.0	94.8	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
GE 1200	78.6	82.7	88.2	91.3	94.3	95.1	96.3	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 1000	78.6	82.7	88.2	91.6	94.9	95.7	97.1	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	78.6	82.7	88.2	91.6	95.1	96.0	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	78.6	82.7	88.2	91.6	95.1	96.0	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	78.6	82.7	88.2	91.6	95.1	96.0	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	78.6	82.7	88.2	91.7	95.2	96.1	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	78.6	82.7	88.2	91.7	95.2	96.6	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	78.6	82.7	88.2	91.7	95.2	96.7	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	78.6	82.7	88.2	91.7	95.2	96.7	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.6	82.7	88.2	91.7	95.2	96.7	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.6	82.7	88.2	91.7	95.2	96.7	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.6	82.7	88.2	91.7	95.2	96.7	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.6	55.0	56.3	57.0	59.0	59.9	60.1	60.2	60.3	60.4	60.7	60.7	61.0	61.0	61.0	61.1
GE 20000	56.6	60.1	61.9	62.7	64.7	65.6	65.8	65.9	66.0	66.1	66.3	66.3	66.7	66.7	66.7	66.8
GE 18000	56.8	60.6	62.4	63.2	65.2	66.1	66.3	66.4	66.6	66.7	66.9	66.9	67.2	67.2	67.2	67.3
GE 16000	57.1	60.9	62.8	63.6	65.6	66.4	66.7	66.8	66.9	67.0	67.2	67.2	67.6	67.6	67.6	67.7
GE 14000	58.4	62.6	64.4	65.4	67.4	68.3	68.6	68.7	68.8	68.9	69.1	69.1	69.4	69.4	69.4	69.6
GE 12000	60.4	64.9	67.0	68.2	71.0	72.1	72.3	72.4	72.6	72.7	72.9	72.9	73.2	73.2	73.2	73.3
GE 10000	64.6	69.3	71.9	73.1	75.9	77.0	77.2	77.3	77.4	77.6	77.8	77.8	78.1	78.1	78.1	78.2
GE 9000	64.6	69.3	71.9	73.1	75.9	77.0	77.2	77.3	77.4	77.6	77.8	77.8	78.1	78.1	78.1	78.2
GE 8000	65.9	70.9	73.4	74.7	77.6	78.7	78.9	79.0	79.1	79.2	79.4	79.4	79.8	79.8	79.8	79.9
GE 7000	66.7	71.7	74.2	75.4	78.3	79.4	79.7	79.8	79.9	80.0	80.2	80.2	80.6	80.6	80.6	80.7
GE 6000	68.2	73.7	76.7	78.0	80.9	82.0	82.2	82.3	82.4	82.6	82.8	82.8	83.1	83.1	83.1	83.2
GE 5000	69.4	75.0	78.0	79.6	82.7	83.8	84.0	84.1	84.2	84.3	84.6	84.6	84.9	84.9	84.9	85.0
GE 4500	71.4	77.1	80.1	81.9	85.0	86.1	86.3	86.4	86.6	86.7	86.9	86.9	87.2	87.2	87.2	87.3
GE 4000	72.8	78.4	81.7	83.6	87.0	88.1	88.3	88.4	88.6	88.7	88.9	88.9	89.2	89.2	89.2	89.3
GE 3500	73.3	79.0	82.2	84.3	87.9	89.0	89.2	89.3	89.4	89.6	89.8	89.8	90.1	90.1	90.1	90.2
GE 3000	74.9	80.8	84.4	86.7	90.4	91.6	92.1	92.2	92.3	92.4	92.8	92.8	93.1	93.1	93.1	93.2
GE 2500	75.3	81.4	85.3	87.6	91.3	92.4	93.1	93.2	93.3	93.4	93.8	93.8	94.1	94.1	94.1	94.2
GE 2000	75.8	81.9	85.9	88.2	92.1	93.2	93.9	94.0	94.1	94.2	94.6	94.6	94.9	94.9	94.9	95.0
GE 1800	75.9	82.0	86.0	88.3	92.2	93.3	94.0	94.1	94.2	94.3	94.7	94.7	95.0	95.0	95.0	95.1
GE 1500	76.4	82.6	86.9	89.4	93.6	94.7	95.6	95.7	95.8	95.9	96.2	96.2	96.6	96.6	96.6	96.7
GE 1200	76.4	82.7	87.0	89.6	93.7	94.8	95.7	95.8	95.9	96.0	96.3	96.3	96.7	96.7	96.7	96.8
GE 1000	76.7	82.9	87.2	89.8	94.2	95.3	96.2	96.3	96.4	96.6	96.9	96.9	97.2	97.2	97.2	97.3
GE 900	76.7	82.9	87.3	89.9	94.6	95.7	96.6	96.7	96.8	96.9	97.2	97.2	97.6	97.6	97.6	97.7
GE 800	76.7	82.9	87.3	89.9	94.6	95.7	96.6	96.7	96.8	96.9	97.2	97.2	97.6	97.6	97.6	97.7
GE 700	76.7	82.9	87.3	89.9	94.6	95.7	96.6	96.7	96.8	97.0	97.3	97.3	97.7	97.7	97.7	97.8
GE 600	76.7	82.9	87.4	90.0	94.7	95.8	96.7	96.8	96.9	97.1	97.4	97.4	97.8	97.8	97.8	97.9
GE 500	76.7	82.9	87.6	90.1	94.8	96.1	97.1	97.2	97.3	97.6	97.9	97.9	98.2	98.2	98.2	98.3
GE 400	76.7	82.9	87.6	90.1	94.8	96.1	97.6	97.8	97.9	98.2	98.6	98.6	99.0	99.0	99.0	99.1
GE 300	76.7	82.9	87.6	90.1	94.8	96.4	97.9	98.1	98.2	98.6	98.9	98.9	99.3	99.3	99.4	99.6
GE 200	76.7	82.9	87.6	90.1	94.8	96.4	97.9	98.1	98.2	98.6	98.9	98.9	99.3	99.3	99.4	99.8
GE 100	76.7	82.9	87.6	90.1	94.8	96.4	97.9	98.1	98.2	98.6	98.9	98.9	99.3	99.3	99.4	100.0
GE 000	76.7	82.9	87.6	90.1	94.8	96.4	97.9	98.1	98.2	98.6	98.9	98.9	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.3	49.0	51.5	53.0	54.7	55.3	55.9	56.0	56.1	56.2	56.5	56.5	56.8	56.9	57.0	57.4
GE 20000	51.3	54.2	57.2	59.0	60.7	61.5	62.1	62.3	62.4	62.5	62.8	62.8	63.1	63.2	63.3	63.8
GE 18000	51.7	54.7	57.7	59.5	61.3	62.1	62.7	62.9	63.0	63.1	63.3	63.3	63.6	63.8	63.9	64.3
GE 16000	51.8	54.9	57.9	59.7	61.5	62.3	62.9	63.1	63.2	63.3	63.5	63.5	63.8	64.0	64.1	64.5
GE 14000	53.2	56.3	59.6	61.6	63.6	64.4	65.0	65.2	65.3	65.4	65.7	65.7	66.0	66.1	66.3	66.7
GE 12000	55.1	58.3	61.8	64.0	66.2	67.2	67.8	68.0	68.1	68.2	68.5	68.5	68.8	68.9	69.1	69.5
GE 10000	58.8	62.5	66.4	68.7	71.2	72.3	73.0	73.2	73.3	73.4	73.7	73.7	74.0	74.1	74.3	74.7
GE 9000	58.9	62.6	66.5	68.9	71.4	72.4	73.2	73.4	73.4	73.6	73.8	73.8	74.1	74.3	74.4	74.9
GE 8000	60.9	64.7	68.7	71.2	74.0	75.1	75.8	76.0	76.1	76.3	76.5	76.5	76.8	77.0	77.1	77.5
GE 7000	61.6	65.3	69.4	71.9	74.7	75.8	76.5	76.8	76.8	77.0	77.3	77.3	77.5	77.7	77.8	78.3
GE 6000	62.5	66.5	70.7	73.3	76.2	77.3	78.1	78.3	78.4	78.5	78.8	78.8	79.1	79.3	79.4	79.8
GE 5000	63.7	67.8	72.1	74.8	77.8	78.9	79.8	80.1	80.1	80.3	80.6	80.6	80.9	81.0	81.2	81.6
GE 4500	65.3	69.4	73.9	76.7	79.8	81.0	81.8	82.1	82.2	82.3	82.6	82.6	82.9	83.1	83.2	83.6
GE 4000	66.6	70.8	75.4	78.5	81.8	83.0	83.9	84.3	84.3	84.6	84.8	84.8	85.1	85.3	85.4	85.8
GE 3500	67.2	71.4	76.1	79.3	82.8	84.0	84.9	85.3	85.3	85.5	85.8	85.8	86.1	86.3	86.4	86.9
GE 3000	68.7	73.0	78.0	81.6	85.2	86.6	87.7	88.2	88.3	88.5	88.8	88.8	89.2	89.3	89.5	89.9
GE 2500	69.1	73.5	78.8	82.3	86.1	87.4	88.6	89.2	89.3	89.5	89.8	89.8	90.1	90.3	90.4	90.9
GE 2000	69.8	74.2	79.7	83.4	87.3	88.8	90.0	90.7	90.8	91.1	91.4	91.4	91.8	91.9	92.1	92.5
GE 1800	69.8	74.3	79.7	83.5	87.4	88.9	90.2	90.9	91.0	91.3	91.7	91.7	92.0	92.1	92.3	92.7
GE 1500	70.1	74.6	80.2	84.1	88.1	89.6	91.0	91.8	91.9	92.2	92.6	92.6	92.9	93.0	93.2	93.6
GE 1200	70.4	75.0	80.7	84.6	88.8	90.4	91.8	92.6	92.7	93.1	93.5	93.5	93.8	93.9	94.1	94.5
GE 1000	70.5	75.2	81.0	85.0	89.3	90.9	92.5	93.4	93.5	93.9	94.3	94.3	94.6	94.8	94.9	95.3
GE 900	70.6	75.4	81.2	85.2	89.7	91.4	93.1	94.0	94.1	94.5	94.9	94.9	95.3	95.4	95.6	96.0
GE 800	70.6	75.4	81.2	85.3	89.8	91.5	93.3	94.2	94.3	94.7	95.1	95.1	95.4	95.6	95.8	96.2
GE 700	70.7	75.5	81.3	85.4	89.9	91.7	93.5	94.5	94.7	95.1	95.6	95.6	95.9	96.1	96.2	96.7
GE 600	70.8	75.6	81.4	85.6	90.1	91.9	93.9	94.8	95.0	95.5	95.9	95.9	96.3	96.4	96.6	97.0
GE 500	70.8	75.6	81.5	85.6	90.3	92.2	94.2	95.3	95.5	96.0	96.4	96.4	96.8	96.9	97.1	97.6
GE 400	70.8	75.6	81.5	85.7	90.4	92.4	94.6	95.7	96.0	96.6	97.1	97.1	97.4	97.6	97.8	98.4
GE 300	70.8	75.6	81.6	85.7	90.5	92.5	94.8	95.9	96.2	96.9	97.4	97.4	97.8	98.0	98.2	98.9
GE 200	70.8	75.6	81.6	85.7	90.5	92.5	94.8	96.0	96.3	97.1	97.6	97.7	98.1	98.3	98.6	99.3
GE 100	70.8	75.6	81.6	85.7	90.5	92.5	94.8	96.0	96.3	97.1	97.7	97.8	98.1	98.5	98.8	99.9
GE 000	70.8	75.6	81.6	85.7	90.5	92.5	94.8	96.0	96.3	97.1	97.7	97.8	98.1	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.8	34.5	36.3	38.9	42.2	43.7	46.1	47.2	47.3	48.1	48.5	48.5	48.8	49.0	49.2	50.5
GE 20000	34.0	36.8	38.6	41.2	44.7	46.5	48.9	50.0	50.1	51.1	51.5	51.6	51.9	52.2	52.4	53.7
GE 18000	34.1	36.9	38.7	41.3	44.8	46.6	49.0	50.1	50.2	51.2	51.6	51.7	52.0	52.3	52.5	53.8
GE 16000	34.1	36.9	38.7	41.3	44.8	46.6	49.0	50.1	50.2	51.2	51.6	51.7	52.0	52.3	52.5	53.8
GE 14000	34.2	37.2	39.4	41.9	45.5	47.2	49.7	50.8	50.9	51.8	52.3	52.4	52.7	52.9	53.1	54.4
GE 12000	35.1	38.1	40.2	42.9	46.6	48.3	50.8	51.8	51.9	53.0	53.5	53.7	54.0	54.2	54.4	55.7
GE 10000	36.6	39.7	42.2	45.1	49.1	50.9	53.3	54.4	54.5	55.6	56.1	56.2	56.6	56.8	57.0	58.3
GE 9000	36.7	39.8	42.3	45.2	49.2	51.0	53.4	54.5	54.6	55.7	56.2	56.3	56.7	56.9	57.1	58.4
GE 8000	38.2	41.3	43.8	46.7	50.8	52.5	54.9	56.0	56.1	57.2	57.7	57.8	58.2	58.4	58.6	59.9
GE 7000	38.3	41.5	44.1	47.0	51.1	52.8	55.3	56.3	56.5	57.5	58.1	58.2	58.5	58.7	58.9	60.2
GE 6000	39.4	42.8	45.5	48.5	52.7	54.4	56.9	58.0	58.1	59.1	59.7	59.8	60.1	60.3	60.5	61.8
GE 5000	40.2	43.7	46.6	49.6	53.9	55.6	58.1	59.1	59.2	60.3	60.9	61.0	61.3	61.5	61.7	63.0
GE 4500	41.9	45.4	48.9	52.0	56.8	58.6	61.1	62.2	62.3	63.3	63.9	64.0	64.3	64.5	64.7	66.0
GE 4000	43.0	46.6	50.3	53.8	58.7	60.5	63.0	64.1	64.2	65.3	65.8	65.9	66.2	66.5	66.7	68.0
GE 3500	43.7	47.3	51.2	54.6	59.9	61.7	64.2	65.3	65.4	66.5	67.0	67.1	67.4	67.6	67.8	69.1
GE 3000	45.9	50.0	54.3	57.7	63.1	64.9	67.4	68.5	68.6	69.7	70.2	70.3	70.6	70.9	71.1	72.4
GE 2500	46.3	50.4	54.8	58.3	63.8	65.6	68.1	69.1	69.2	70.3	70.9	71.0	71.3	71.5	71.7	73.0
GE 2000	46.9	51.2	55.9	59.7	65.2	67.1	69.7	70.8	70.9	72.0	72.6	72.7	73.0	73.2	73.4	74.7
GE 1800	47.1	51.5	56.2	60.1	65.7	67.6	70.2	71.3	71.4	72.6	73.1	73.2	73.5	73.8	74.0	75.3
GE 1500	47.5	51.9	56.9	60.9	66.5	68.4	71.0	72.0	72.2	73.3	73.9	74.0	74.3	74.5	74.7	76.0
GE 1200	47.6	52.0	57.2	61.2	67.0	69.1	71.7	73.0	73.1	74.3	74.9	75.1	75.4	75.6	75.8	77.1
GE 1000	47.8	52.3	57.5	61.5	67.5	69.9	72.5	73.8	73.9	75.1	75.7	75.8	76.1	76.3	76.6	77.8
GE 900	47.8	52.3	57.7	61.7	68.1	70.5	73.1	74.4	74.5	75.7	76.3	76.5	76.9	77.1	77.3	78.6
GE 800	48.0	52.4	57.8	61.8	68.5	71.1	73.7	74.9	75.1	76.2	76.9	77.0	77.4	77.6	77.8	79.1
GE 700	48.0	52.4	57.8	61.8	68.8	71.7	74.3	75.9	76.0	77.2	77.8	78.0	78.4	78.6	78.8	80.1
GE 600	48.0	52.4	58.1	62.0	69.5	72.8	75.5	77.3	77.7	78.9	79.6	79.7	80.2	80.4	80.6	81.9
GE 500	48.1	52.5	58.2	62.5	70.3	73.8	76.7	78.5	79.0	80.2	80.9	81.0	81.5	81.7	81.9	83.2
GE 400	48.1	52.5	58.2	62.9	71.1	74.7	78.6	81.1	81.8	83.3	84.0	84.1	84.6	84.8	85.1	86.6
GE 300	48.1	52.5	58.2	63.0	71.3	75.1	79.0	81.8	82.7	84.5	85.2	85.3	85.9	86.2	86.8	88.3
GE 200	48.1	52.5	58.2	63.0	71.3	75.1	79.0	82.2	83.1	85.2	86.1	86.3	86.8	88.1	88.7	89.5
GE 100	48.1	52.5	58.2	63.0	71.3	75.1	79.0	82.2	83.1	85.2	86.6	86.8	88.7	90.0	91.3	98.7
GE 000	48.1	52.5	58.2	63.0	71.3	75.1	79.0	82.2	83.1	85.2	86.6	86.8	88.7	90.0	91.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.0	30.2	33.4	34.9	37.5	38.6	40.1	41.7	42.3	42.6	42.9	43.1	43.4	43.7	43.9	44.9
GE 20000	30.0	32.3	35.7	37.2	40.1	41.2	42.8	44.4	44.9	45.3	45.6	45.8	46.1	46.3	46.6	47.7
GE 18000	30.1	32.4	35.8	37.3	40.2	41.3	42.9	44.5	45.1	45.4	45.7	45.9	46.2	46.5	46.7	47.8
GE 16000	30.1	32.4	35.8	37.3	40.2	41.3	42.9	44.5	45.1	45.4	45.7	45.9	46.2	46.5	46.7	47.8
GE 14000	31.3	33.5	37.1	38.6	41.6	42.7	44.3	45.9	46.5	46.8	47.2	47.4	47.7	48.0	48.2	49.4
GE 12000	31.7	34.2	37.8	39.4	42.4	43.4	45.3	47.0	47.5	47.8	48.3	48.5	48.8	49.0	49.2	50.4
GE 10000	34.3	36.8	40.4	42.0	45.6	46.7	48.5	50.2	50.8	51.1	51.5	51.7	52.0	52.3	52.5	53.7
GE 9000	34.3	36.8	40.4	42.0	45.6	46.7	48.5	50.2	50.8	51.1	51.5	51.7	52.0	52.3	52.5	53.7
GE 8000	35.3	37.7	41.4	43.0	46.6	47.6	49.5	51.2	51.7	52.0	52.5	52.7	53.0	53.2	53.4	54.6
GE 7000	35.9	38.4	42.0	43.7	47.2	48.3	50.1	52.0	52.6	52.9	53.3	53.5	53.9	54.1	54.3	55.5
GE 6000	36.8	39.2	43.0	44.6	48.6	49.7	51.6	53.5	54.1	54.4	54.8	55.1	55.4	55.6	55.8	57.0
GE 5000	38.4	41.0	44.7	46.3	50.5	51.7	53.7	55.6	56.1	56.5	56.9	57.1	57.4	57.6	57.8	59.0
GE 4500	39.7	42.6	46.8	48.4	52.9	54.1	56.0	58.0	58.5	58.9	59.4	59.6	59.9	60.1	60.3	61.5
GE 4000	40.5	43.8	48.2	49.9	54.6	55.8	57.7	59.7	60.2	60.6	61.1	61.3	61.6	61.8	62.0	63.2
GE 3500	41.3	44.6	49.2	51.1	56.0	57.2	59.1	61.1	61.6	62.0	62.5	62.7	63.0	63.2	63.4	64.6
GE 3000	42.2	45.9	51.0	53.1	58.4	59.6	61.7	63.7	64.2	64.6	65.1	65.3	65.6	65.8	66.0	67.2
GE 2500	42.8	46.7	51.8	54.1	59.5	60.6	62.8	64.7	65.3	65.7	66.2	66.6	66.9	67.1	67.3	68.5
GE 2000	43.5	47.5	52.8	55.6	61.1	62.3	64.4	66.3	66.9	67.3	68.0	68.3	68.6	68.8	69.0	70.2
GE 1800	43.8	47.8	53.1	56.0	61.5	62.7	64.8	66.8	67.3	67.7	68.4	68.7	69.0	69.2	69.5	70.8
GE 1500	44.2	48.4	53.8	57.1	62.6	63.8	65.9	68.1	68.6	69.0	69.7	70.1	70.5	70.8	71.0	72.3
GE 1200	44.2	48.4	54.5	57.8	63.5	64.7	66.9	69.0	69.6	70.0	70.6	71.1	71.5	71.7	71.9	73.2
GE 1000	44.2	48.5	54.6	58.2	63.9	65.1	67.2	69.6	70.1	70.5	71.2	71.6	72.0	72.3	72.5	73.8
GE 900	44.2	48.5	54.6	58.2	64.2	65.4	67.6	70.0	70.5	71.0	71.6	72.0	72.5	72.7	72.9	74.2
GE 800	44.2	48.5	54.6	58.4	64.5	65.7	68.0	70.5	71.1	71.5	72.5	72.9	73.3	73.5	73.8	75.1
GE 700	44.2	48.5	54.6	58.4	64.6	65.8	68.1	70.9	71.4	71.8	72.8	73.2	73.7	73.9	74.1	75.4
GE 600	44.4	48.7	54.9	58.7	65.5	67.0	69.7	72.9	73.4	73.9	75.2	75.6	76.1	76.5	76.7	78.0
GE 500	44.5	48.9	55.3	59.5	66.8	68.6	71.9	75.4	75.9	76.3	77.6	78.1	78.6	78.9	79.1	80.4
GE 400	44.5	49.0	55.4	60.0	67.3	69.6	73.4	77.2	77.8	78.4	79.8	80.3	81.0	81.3	81.6	82.9
GE 300	44.5	49.0	55.4	60.3	68.1	70.4	74.5	79.4	80.0	80.8	82.2	82.7	83.5	83.9	84.4	85.8
GE 200	44.5	49.0	55.4	60.3	68.3	70.6	74.8	79.9	80.5	82.0	83.8	84.5	86.5	87.1	88.5	92.2
GE 100	44.5	49.0	55.4	60.3	68.3	70.8	74.9	80.0	80.8	82.3	84.0	84.7	86.9	87.6	91.0	98.6
GE 000	44.5	49.0	55.4	60.3	68.3	70.8	74.9	80.0	80.8	82.3	84.0	84.7	86.9	87.6	91.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 ~ JUL 91
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.9	25.4	28.2	29.5	32.5	33.8	35.1	36.0	36.3	36.8	37.4	37.4	38.1	38.2	39.0	41.3
GE 20000	24.8	27.4	30.3	31.7	34.8	36.3	37.6	38.6	38.9	39.4	40.2	40.2	40.9	41.0	41.8	44.1
GE 18000	24.9	27.5	30.4	31.8	34.9	36.5	37.7	38.7	39.0	39.5	40.3	40.3	41.0	41.1	41.9	44.2
GE 16000	24.9	27.5	30.4	31.8	34.9	36.5	37.7	38.7	39.0	39.5	40.3	40.3	41.0	41.1	41.9	44.2
GE 14000	25.6	28.2	31.1	32.5	35.9	37.4	38.8	39.8	40.1	40.5	41.5	41.5	42.2	42.3	43.1	45.5
GE 12000	26.1	28.8	32.0	33.8	37.3	38.8	40.3	41.3	41.6	42.0	43.0	43.0	43.7	43.8	44.6	47.0
GE 10000	28.9	31.6	35.1	37.0	41.0	42.5	44.2	45.2	45.5	45.9	46.9	46.9	47.6	47.7	48.6	51.0
GE 9000	29.1	31.8	35.3	37.2	41.2	42.7	44.4	45.4	45.7	46.1	47.1	47.1	47.8	48.0	48.8	51.2
GE 8000	31.2	33.9	37.3	39.7	43.8	45.3	47.0	48.0	48.3	48.7	49.7	49.7	50.4	50.5	51.4	53.8
GE 7000	31.9	34.7	38.2	40.5	44.6	46.1	47.8	49.0	49.5	50.0	51.0	51.0	51.7	51.8	52.7	55.1
GE 6000	32.4	35.2	38.6	41.0	45.2	46.7	48.4	49.6	50.0	50.5	51.5	51.5	52.3	52.4	53.2	55.6
GE 5000	33.9	36.9	40.8	43.2	47.6	49.2	51.1	52.3	52.7	53.2	54.2	54.2	54.9	55.1	55.9	58.3
GE 4500	35.3	38.4	42.8	45.5	50.4	52.0	54.0	55.2	55.6	56.1	57.1	57.1	57.8	58.0	58.8	61.2
GE 4000	36.3	39.5	44.0	46.8	52.0	53.7	55.6	56.8	57.2	57.7	58.7	58.7	59.5	59.6	60.4	62.8
GE 3500	37.0	40.1	44.7	47.7	53.0	54.6	56.6	57.7	58.2	58.7	59.7	59.7	60.4	60.5	61.4	63.8
GE 3000	37.8	41.0	45.9	49.0	54.7	56.5	58.8	60.0	60.4	61.0	61.9	61.9	62.7	62.8	63.7	66.0
GE 2500	38.7	41.8	46.8	50.3	56.1	57.8	60.2	61.5	61.9	62.6	63.5	63.5	64.3	64.4	65.3	67.6
GE 2000	39.0	42.3	47.3	51.0	57.0	58.8	61.3	62.7	63.1	63.8	64.7	64.7	65.5	65.6	66.5	68.8
GE 1800	39.1	42.4	47.4	51.3	57.4	59.2	61.7	63.1	63.5	64.2	65.2	65.2	65.9	66.0	66.9	69.2
GE 1500	39.7	42.9	48.0	51.9	58.4	60.2	62.7	64.1	64.5	65.2	66.2	66.2	67.2	67.3	68.2	70.5
GE 1200	39.9	43.3	48.6	52.6	59.1	61.1	63.7	65.1	65.5	66.1	67.2	67.2	68.2	68.3	69.1	71.5
GE 1000	39.9	43.3	48.8	53.0	60.1	62.2	64.8	66.2	66.7	67.3	68.4	68.4	69.4	69.5	70.3	72.7
GE 900	40.0	43.4	48.9	53.1	60.3	62.5	65.2	66.8	67.2	67.8	68.9	68.9	69.9	70.0	70.9	73.2
GE 800	40.1	43.5	49.0	53.2	60.5	62.7	65.6	67.3	67.7	68.5	69.6	69.6	70.5	70.6	71.5	73.9
GE 700	40.1	43.5	49.1	53.4	60.9	63.1	66.0	67.7	68.3	69.2	70.3	70.3	71.3	71.4	72.3	74.6
GE 600	40.1	43.5	49.1	53.4	61.2	63.5	66.7	68.5	69.2	70.2	71.3	71.3	72.3	72.4	73.2	75.6
GE 500	40.1	43.5	49.1	53.7	61.8	64.4	67.6	70.1	71.0	72.2	73.3	73.3	74.3	74.4	75.3	77.6
GE 400	40.2	43.8	49.4	54.0	62.5	65.7	69.4	72.9	73.9	75.3	77.3	77.3	78.4	78.5	79.4	82.0
GE 300	40.2	43.8	49.4	54.2	63.0	66.3	70.0	74.4	76.0	77.8	80.2	80.5	81.9	82.2	83.0	86.0
GE 200	40.2	43.8	49.4	54.2	63.0	66.5	70.1	74.9	76.7	79.0	81.8	82.2	84.3	85.3	87.5	93.1
GE 100	40.2	43.8	49.4	54.2	63.0	66.5	70.1	74.9	76.7	79.0	81.9	82.5	84.7	86.0	89.5	99.7
GE 000	40.2	43.8	49.4	54.2	63.0	66.5	70.1	74.9	76.7	79.0	81.9	82.5	84.7	86.0	89.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.3	25.2	27.4	30.0	34.0	36.0	36.8	38.1	38.3	38.7	39.0	39.1	39.7	39.9	40.4	41.2
GE 20000	24.3	27.5	29.9	32.8	37.0	39.4	40.1	41.5	41.7	42.2	42.7	42.9	43.4	43.7	44.2	44.9
GE 18000	24.3	27.5	29.9	32.8	37.0	39.4	40.1	41.5	41.7	42.2	42.7	42.9	43.4	43.7	44.2	44.9
GE 16000	24.3	27.5	29.9	32.8	37.0	39.4	40.1	41.5	41.7	42.2	42.7	42.9	43.4	43.7	44.2	44.9
GE 14000	25.7	28.9	31.4	34.4	38.6	41.0	41.8	43.2	43.4	43.9	44.4	44.6	45.2	45.4	45.9	46.7
GE 12000	26.0	29.2	31.9	35.1	39.4	41.7	42.6	44.1	44.3	44.7	45.3	45.5	46.0	46.2	46.8	47.5
GE 10000	28.7	32.2	35.1	38.4	43.0	45.6	46.6	48.1	48.3	48.7	49.2	49.6	50.1	50.4	51.0	51.7
GE 9000	29.0	32.5	35.4	38.7	43.3	45.9	46.9	48.4	48.6	49.0	49.6	49.9	50.4	50.8	51.3	52.0
GE 8000	31.4	34.8	37.8	41.4	46.1	48.9	50.0	51.6	51.8	52.3	52.8	53.1	53.7	54.0	54.5	55.3
GE 7000	32.2	35.6	38.6	42.2	47.0	49.8	50.9	52.5	52.7	53.4	54.0	54.3	54.8	55.2	55.7	56.5
GE 6000	32.6	36.1	39.5	43.0	48.2	51.0	52.0	53.7	53.9	54.6	55.2	55.5	56.0	56.3	56.9	57.6
GE 5000	33.8	37.3	40.9	44.6	49.8	52.9	54.1	55.9	56.1	57.1	57.6	58.0	58.5	58.8	59.4	60.1
GE 4500	35.1	38.7	42.4	46.3	51.9	55.1	56.3	58.4	58.7	59.8	60.3	60.6	61.2	61.5	62.0	62.8
GE 4000	35.4	39.0	42.9	47.0	52.9	56.0	57.3	59.5	59.9	61.0	61.5	61.8	62.4	62.7	63.2	64.0
GE 3500	36.2	39.9	43.9	48.1	54.4	57.6	58.9	61.1	61.5	62.6	63.1	63.4	64.0	64.3	64.8	65.6
GE 3000	36.7	40.4	44.5	49.5	56.2	59.5	61.1	63.3	63.8	64.8	65.4	65.7	66.2	66.6	67.1	67.8
GE 2500	37.1	41.0	45.4	50.5	57.5	60.8	62.5	64.7	65.2	66.2	66.8	67.1	67.6	68.0	68.5	69.2
GE 2000	37.2	41.1	45.5	50.8	58.0	61.3	63.0	65.4	65.8	66.9	67.4	67.7	68.3	68.6	69.1	69.9
GE 1800	37.5	41.4	45.9	51.4	58.6	61.9	63.8	66.3	66.8	67.8	68.4	68.7	69.2	69.6	70.1	70.9
GE 1500	37.8	41.7	46.2	51.8	59.4	62.8	65.1	68.1	68.5	69.7	70.2	70.5	71.1	71.4	71.9	72.7
GE 1200	37.8	41.8	46.3	52.0	59.9	63.4	65.7	69.1	69.6	70.8	71.3	71.6	72.2	72.5	73.0	73.8
GE 1000	38.0	41.9	46.6	52.6	61.0	64.6	67.1	70.5	71.0	72.2	72.7	73.0	73.5	73.9	74.4	75.2
GE 900	38.1	42.2	47.1	53.2	61.8	65.5	68.1	71.5	71.9	73.1	73.7	74.0	74.5	74.8	75.4	76.1
GE 800	38.1	42.3	47.3	53.4	62.7	66.8	69.6	73.1	73.5	74.7	75.3	75.6	76.1	76.5	77.0	77.7
GE 700	38.1	42.4	47.4	53.9	63.3	67.7	71.0	74.8	75.4	76.6	77.1	77.4	78.1	78.4	78.9	79.7
GE 600	38.2	42.6	47.6	54.3	64.1	68.6	72.3	76.3	77.1	78.5	79.1	79.5	80.1	80.4	81.1	81.8
GE 500	38.3	42.7	47.8	55.1	65.1	69.9	74.1	79.5	80.3	81.8	82.6	83.0	83.7	84.0	84.6	85.4
GE 400	38.3	42.7	47.8	55.1	65.3	70.4	74.9	81.4	82.7	84.4	85.5	86.0	86.9	87.2	87.8	88.7
GE 300	38.3	42.7	47.8	55.1	65.4	70.8	75.6	82.6	84.1	85.9	87.5	88.1	88.9	89.5	90.4	91.4
GE 200	38.3	42.7	47.8	55.1	65.4	70.8	75.6	82.6	84.1	86.5	88.3	88.8	90.8	92.7	94.6	96.6
GE 100	38.3	42.7	47.8	55.1	65.4	70.8	75.6	82.7	84.2	86.6	88.4	88.9	91.1	93.2	95.9	100.0
GE 000	38.3	42.7	47.8	55.1	65.4	70.8	75.6	82.7	84.2	86.6	88.4	88.9	91.1	93.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.8	29.8	33.3	36.5	40.3	41.9	42.9	44.4	44.4	44.4	44.6	44.7	44.8	44.9	44.9	44.9
GE 20000	28.3	32.6	36.2	40.0	44.8	46.7	47.7	49.2	49.4	49.4	49.6	49.7	49.8	49.9	49.9	49.9
GE 18000	28.4	32.7	36.3	40.1	44.9	46.8	47.8	49.4	49.5	49.5	49.7	49.8	49.9	50.0	50.0	50.0
GE 16000	28.4	32.7	36.3	40.1	44.9	46.8	47.8	49.4	49.5	49.5	49.7	49.8	49.9	50.0	50.0	50.0
GE 14000	29.9	34.2	38.0	41.8	46.7	48.5	49.6	51.2	51.3	51.3	51.5	51.6	51.7	51.8	51.8	51.8
GE 12000	30.3	34.8	38.6	42.6	47.4	49.2	50.3	51.9	52.0	52.0	52.3	52.4	52.5	52.6	52.6	52.6
GE 10000	33.8	38.7	42.7	46.9	52.0	54.0	55.1	56.7	56.8	56.8	57.0	57.1	57.2	57.4	57.4	57.4
GE 9000	33.8	38.7	42.7	46.9	52.0	54.0	55.1	56.7	56.8	56.8	57.0	57.1	57.2	57.4	57.4	57.4
GE 8000	35.4	40.8	45.2	49.7	55.1	57.0	58.1	59.8	60.0	60.0	60.2	60.3	60.4	60.6	60.6	60.6
GE 7000	36.6	41.9	46.3	51.0	56.6	58.5	59.6	61.3	61.5	61.5	61.7	61.8	61.9	62.2	62.2	62.2
GE 6000	37.0	42.4	47.0	51.6	57.2	59.1	60.2	62.0	62.3	62.3	62.5	62.6	62.7	62.9	62.9	62.9
GE 5000	38.0	43.4	48.2	53.1	59.0	61.1	62.6	64.5	64.8	64.8	65.1	65.2	65.3	65.5	65.5	65.5
GE 4500	39.2	44.7	49.6	54.7	60.6	62.7	64.2	66.1	66.5	66.5	66.7	66.8	66.9	67.1	67.1	67.1
GE 4000	41.0	46.5	51.3	56.6	63.1	65.3	66.9	68.9	69.2	69.2	69.6	69.7	69.8	70.0	70.0	70.0
GE 3500	41.6	47.1	51.9	57.4	64.1	66.3	68.0	70.1	70.4	70.4	70.8	70.9	71.0	71.2	71.2	71.2
GE 3000	42.7	48.3	53.3	58.8	66.2	68.5	70.6	72.9	73.2	73.2	73.5	73.7	73.8	74.0	74.0	74.0
GE 2500	42.8	48.5	53.7	59.1	67.0	69.2	71.4	73.7	74.0	74.0	74.3	74.4	74.5	74.7	74.7	74.7
GE 2000	43.4	49.1	54.5	60.4	68.4	70.6	72.9	75.3	75.6	75.6	76.0	76.1	76.2	76.5	76.5	76.5
GE 1800	43.5	49.2	54.6	60.5	68.6	70.9	73.1	75.5	75.8	75.8	76.2	76.3	76.5	76.7	76.7	76.7
GE 1500	43.9	50.0	55.5	61.6	70.2	72.6	74.8	77.6	78.0	78.0	78.4	78.5	78.6	78.8	78.8	78.8
GE 1200	44.6	50.9	56.6	63.3	72.6	74.9	77.2	80.1	80.4	80.4	80.9	81.0	81.1	81.3	81.3	81.3
GE 1000	45.1	51.3	57.3	64.2	74.4	77.0	79.5	82.4	82.7	82.7	83.1	83.2	83.3	83.5	83.5	83.5
GE 900	45.1	51.3	57.3	64.4	74.6	77.2	80.0	83.4	83.8	83.8	84.2	84.3	84.4	84.6	84.6	84.6
GE 800	45.2	51.5	58.0	65.2	75.8	78.6	81.5	84.9	85.3	85.3	85.7	85.8	85.9	86.1	86.1	86.1
GE 700	45.2	52.0	58.6	65.9	76.9	79.8	82.7	86.1	86.5	86.5	86.9	87.0	87.1	87.3	87.3	87.3
GE 600	45.2	52.2	58.7	66.0	77.2	80.2	83.2	87.6	88.0	88.0	88.4	88.5	88.6	88.8	88.8	88.8
GE 500	45.2	52.2	58.8	66.2	77.6	80.9	84.1	88.9	89.6	89.7	90.2	90.3	90.4	90.9	90.9	90.9
GE 400	45.2	52.2	58.8	66.3	77.7	81.0	84.5	90.2	91.0	91.2	91.7	91.9	92.2	92.6	92.6	92.6
GE 300	45.2	52.2	58.8	66.3	77.8	81.2	84.8	91.2	92.4	94.6	96.0	96.2	96.7	97.1	97.1	97.1
GE 200	45.2	52.2	58.8	66.3	77.8	81.2	84.8	91.4	92.6	95.1	97.3	97.8	98.9	99.7	99.9	99.9
GE 100	45.2	52.2	58.8	66.3	77.8	81.2	84.8	91.4	92.7	95.2	97.4	98.0	99.0	99.8	100.0	100.0
GE 000	45.2	52.2	58.8	66.3	77.8	81.2	84.8	91.4	92.7	95.2	97.4	98.0	99.0	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.9	34.3	38.1	41.2	45.5	47.0	48.1	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.9
GE 20000	34.4	36.8	41.1	44.6	49.9	51.5	52.8	53.7	53.8	54.0	54.0	54.0	54.1	54.1	54.1	54.2
GE 18000	34.5	36.9	41.2	44.7	50.0	51.6	52.9	53.8	53.9	54.1	54.1	54.1	54.2	54.2	54.2	54.3
GE 16000	34.5	36.9	41.2	44.7	50.0	51.6	52.9	53.8	53.9	54.1	54.1	54.1	54.2	54.2	54.2	54.3
GE 14000	35.6	38.0	42.5	46.2	51.5	53.2	54.5	55.4	55.5	55.7	55.7	55.7	55.8	55.8	55.8	55.9
GE 12000	36.3	38.8	43.3	47.2	52.9	54.6	55.9	56.8	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.3
GE 10000	39.6	42.4	47.1	51.3	57.2	59.0	60.3	61.2	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.7
GE 9000	39.6	42.4	47.1	51.3	57.2	59.0	60.3	61.2	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.7
GE 8000	41.5	44.5	49.2	53.8	59.7	61.5	62.9	63.8	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.3
GE 7000	42.5	45.5	50.2	54.7	60.6	62.5	63.9	64.7	64.8	65.1	65.1	65.1	65.2	65.2	65.2	65.3
GE 6000	42.6	45.6	50.3	54.9	61.1	62.9	64.3	65.2	65.3	65.5	65.5	65.5	65.6	65.6	65.6	65.7
GE 5000	43.4	46.6	51.5	56.1	62.3	64.5	66.1	67.0	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.5
GE 4500	45.1	48.3	53.4	58.2	64.4	66.8	68.5	69.7	69.8	70.1	70.1	70.1	70.2	70.2	70.2	70.3
GE 4000	46.6	50.0	55.4	60.2	66.8	69.2	71.1	72.4	72.5	72.8	72.8	72.8	72.9	72.9	72.9	73.0
GE 3500	47.6	51.2	56.6	61.6	68.2	70.8	72.8	74.4	74.5	74.8	74.8	74.8	74.9	74.9	74.9	75.1
GE 3000	48.7	52.5	58.0	63.4	70.9	73.4	75.5	77.3	77.4	77.7	77.7	77.7	77.8	77.8	77.8	78.0
GE 2500	48.9	52.7	58.3	63.8	71.4	74.2	76.2	78.1	78.2	78.5	78.5	78.5	78.6	78.6	78.6	78.7
GE 2000	49.6	53.3	59.2	65.1	72.9	76.0	78.1	79.9	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.6
GE 1800	49.8	53.5	59.5	65.4	73.2	76.3	78.4	80.2	80.4	80.8	80.8	80.8	80.9	80.9	80.9	81.0
GE 1500	50.0	54.0	59.9	65.9	73.9	77.0	79.2	81.1	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.8
GE 1200	50.5	54.7	60.9	67.5	76.6	79.8	82.3	84.1	84.3	84.6	84.6	84.6	84.7	84.7	84.7	84.8
GE 1000	50.9	55.1	61.3	68.1	77.5	80.9	83.4	85.3	85.5	85.8	85.8	85.8	85.9	85.9	85.9	86.0
GE 900	51.0	55.2	61.4	68.2	78.1	81.6	84.2	86.1	86.3	86.7	86.7	86.7	86.8	86.8	86.8	86.9
GE 800	51.1	55.3	61.7	68.9	78.9	82.5	85.3	87.5	87.7	88.1	88.1	88.1	88.2	88.2	88.2	88.3
GE 700	51.1	55.3	61.7	69.0	79.2	83.1	85.9	88.6	88.8	89.1	89.1	89.1	89.2	89.2	89.2	89.4
GE 600	51.1	55.4	61.8	69.2	79.6	83.4	86.5	90.0	90.2	90.6	90.6	90.6	90.8	90.8	90.8	90.9
GE 500	51.1	55.4	61.8	69.2	79.6	83.4	87.1	91.4	91.7	92.3	92.3	92.3	92.6	92.6	92.6	92.7
GE 400	51.1	55.4	61.8	69.4	80.0	84.0	88.2	93.0	93.8	94.5	94.7	94.7	95.1	95.1	95.1	95.3
GE 300	51.1	55.4	61.8	69.4	80.0	84.0	88.3	93.5	94.6	97.0	97.6	97.6	98.1	98.2	98.3	98.5
GE 200	51.1	55.4	61.8	69.4	80.0	84.0	88.3	93.5	94.8	97.2	98.1	98.1	98.6	98.8	98.9	99.2
GE 100	51.1	55.4	61.8	69.4	80.0	84.0	88.3	93.5	94.8	97.2	98.1	98.1	99.0	99.2	99.5	100.0
GE 000	51.1	55.4	61.8	69.4	80.0	84.0	88.3	93.5	94.8	97.2	98.1	98.1	99.0	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.5	37.1	40.8	43.2	48.6	50.2	50.8	51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.7	51.9
GE 20000	35.1	38.9	42.9	45.8	51.7	53.4	54.2	54.7	54.7	54.8	55.1	55.1	55.1	55.1	55.2	55.4
GE 18000	35.3	39.1	43.1	46.0	51.9	53.7	54.4	55.1	55.1	55.2	55.4	55.4	55.4	55.4	55.5	55.7
GE 16000	35.3	39.1	43.1	46.0	51.9	53.7	54.4	55.1	55.1	55.2	55.4	55.4	55.4	55.4	55.5	55.7
GE 14000	35.5	39.5	43.4	46.3	52.3	54.0	54.7	55.4	55.4	55.5	55.7	55.7	55.7	55.7	55.8	56.0
GE 12000	36.6	40.5	44.5	47.7	54.0	55.7	56.5	57.1	57.1	57.2	57.4	57.4	57.4	57.4	57.5	57.7
GE 10000	39.0	43.0	47.0	50.5	57.0	58.7	59.6	60.3	60.3	60.4	60.6	60.6	60.6	60.6	60.8	61.0
GE 9000	39.1	43.1	47.1	50.6	57.1	58.8	59.7	60.4	60.4	60.5	60.8	60.8	60.8	60.8	60.9	61.1
GE 8000	40.9	44.8	48.9	52.8	59.4	61.1	61.9	62.7	62.7	62.8	63.0	63.0	63.0	63.0	63.1	63.3
GE 7000	42.3	46.2	50.3	54.2	60.9	62.6	63.4	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.6	64.8
GE 6000	43.0	47.1	51.2	55.1	61.7	63.4	64.3	65.2	65.2	65.3	65.5	65.5	65.5	65.5	65.6	65.8
GE 5000	43.4	48.0	52.2	56.0	62.7	64.4	65.4	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.8	67.0
GE 4500	44.2	49.0	53.2	57.1	63.8	65.5	66.5	67.4	67.4	67.5	67.7	67.7	67.7	67.7	67.8	68.1
GE 4000	45.6	50.4	54.9	59.0	65.9	67.7	68.7	69.7	69.7	69.8	70.0	70.0	70.0	70.0	70.1	70.3
GE 3500	47.0	52.0	56.9	61.0	68.2	70.1	71.2	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.7	72.9
GE 3000	47.5	52.7	58.1	62.3	70.1	72.2	73.2	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.7	74.9
GE 2500	48.2	53.3	58.8	63.1	71.4	73.5	74.6	75.7	75.7	75.8	76.0	76.0	76.0	76.0	76.1	76.3
GE 2000	48.6	53.8	59.9	64.3	73.4	75.8	77.0	78.1	78.1	78.2	78.5	78.5	78.5	78.5	78.6	78.8
GE 1800	48.7	54.0	60.2	64.6	73.8	76.3	77.5	78.6	78.6	78.7	79.0	79.0	79.0	79.0	79.1	79.4
GE 1500	49.5	54.7	61.0	65.7	75.2	77.8	79.1	80.2	80.2	80.3	80.6	80.8	80.8	80.8	80.9	81.1
GE 1200	50.4	56.0	62.4	67.1	77.3	80.5	82.2	83.2	83.2	83.3	83.7	83.8	83.8	83.8	83.9	84.1
GE 1000	50.8	56.3	62.9	67.6	78.0	81.2	82.8	83.9	84.0	84.1	84.4	84.5	84.5	84.5	84.6	84.8
GE 900	50.9	56.5	63.2	68.1	78.5	81.8	83.5	84.6	84.7	84.8	85.2	85.3	85.3	85.3	85.4	85.6
GE 800	50.9	56.8	63.5	68.4	78.9	82.4	84.1	85.2	85.3	85.4	85.7	85.8	85.8	85.8	85.9	86.1
GE 700	50.9	56.8	63.5	68.4	79.4	83.1	84.9	86.0	86.1	86.2	86.6	86.7	86.7	86.7	86.8	87.0
GE 600	50.9	56.8	63.9	68.7	80.0	84.1	86.2	87.3	87.4	87.5	88.0	88.1	88.1	88.1	88.2	88.4
GE 500	50.9	56.8	63.9	68.7	80.0	84.3	87.2	88.6	88.7	88.8	89.2	89.4	89.4	89.4	89.5	89.7
GE 400	50.9	56.8	64.0	68.8	80.1	84.5	87.8	89.6	89.8	89.9	90.4	90.5	90.6	90.6	90.8	91.1
GE 300	50.9	56.8	64.0	68.8	80.1	84.5	88.4	90.4	90.6	91.5	92.2	92.3	92.7	92.8	92.9	93.2
GE 200	50.9	56.8	64.0	68.8	80.1	84.5	88.4	90.8	91.1	92.4	93.2	93.3	94.1	94.3	94.7	95.2
GE 100	50.9	56.8	64.0	68.8	80.1	84.5	88.4	90.8	91.1	92.5	93.4	93.5	94.5	95.1	97.2	99.4
GE 000	50.9	56.8	64.0	68.8	80.1	84.5	88.4	90.8	91.1	92.5	93.4	93.5	94.5	95.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.9	35.2	37.5	41.6	45.6	47.4	49.1	49.8	49.8	50.2	50.5	50.5	50.8	51.1	51.2	51.7
GE 20000	32.6	37.4	39.8	43.9	48.1	50.1	51.9	52.9	52.9	53.3	53.8	53.8	54.0	54.3	54.4	54.9
GE 18000	32.6	37.4	39.8	43.9	48.1	50.1	52.2	53.1	53.1	53.5	54.0	54.0	54.2	54.5	54.6	55.2
GE 16000	32.6	37.4	39.8	43.9	48.1	50.1	52.2	53.1	53.1	53.5	54.0	54.0	54.2	54.5	54.6	55.2
GE 14000	33.1	38.2	40.5	44.6	48.8	50.9	52.9	53.9	53.9	54.3	54.7	54.7	54.9	55.3	55.4	55.9
GE 12000	34.2	39.2	41.6	45.7	50.2	52.3	54.3	55.3	55.3	55.7	56.1	56.1	56.3	56.7	56.8	57.3
GE 10000	35.1	40.2	42.6	47.2	51.7	53.8	55.8	56.8	56.8	57.2	57.6	57.6	57.8	58.2	58.3	58.8
GE 9000	35.2	40.3	42.7	47.3	51.8	53.9	55.9	56.9	56.9	57.3	57.7	57.7	58.0	58.3	58.4	58.9
GE 8000	37.2	42.4	44.7	49.6	54.2	56.2	58.3	59.2	59.2	59.7	60.1	60.1	60.3	60.6	60.8	61.3
GE 7000	38.3	43.8	46.2	51.1	55.7	57.7	59.8	60.8	60.8	61.2	61.6	61.6	61.8	62.2	62.3	62.8
GE 6000	39.4	45.2	47.7	52.6	57.4	59.5	61.5	62.5	62.5	62.9	63.3	63.3	63.5	63.9	64.0	64.5
GE 5000	39.9	45.7	48.4	53.2	58.1	60.1	62.2	63.1	63.1	63.5	64.0	64.0	64.2	64.5	64.6	65.2
GE 4500	41.4	47.2	50.1	55.2	60.0	62.0	64.2	65.2	65.2	65.6	66.0	66.0	66.2	66.6	66.7	67.2
GE 4000	42.7	48.5	51.8	57.0	62.0	64.1	66.3	67.3	67.3	67.7	68.2	68.2	68.4	68.7	68.8	69.4
GE 3500	44.1	49.9	53.4	58.6	63.8	65.8	68.1	69.0	69.0	69.5	69.9	69.9	70.3	70.6	70.8	71.3
GE 3000	44.8	50.8	54.4	59.6	65.1	67.1	69.4	70.3	70.3	70.8	71.2	71.2	71.6	71.9	72.0	72.6
GE 2500	45.8	51.7	55.6	60.8	66.3	68.4	70.6	71.6	71.6	72.0	72.5	72.5	72.9	73.2	73.3	73.9
GE 2000	46.1	52.4	56.7	62.0	68.3	70.3	72.6	73.8	73.8	74.2	74.6	74.6	75.1	75.4	75.5	76.0
GE 1800	46.2	52.6	56.9	62.3	68.5	70.5	72.8	74.0	74.0	74.4	74.8	74.8	75.3	75.6	75.7	76.2
GE 1500	46.5	52.8	57.3	63.3	70.0	72.0	74.3	75.5	75.5	75.9	76.3	76.3	76.8	77.1	77.2	77.7
GE 1200	46.8	53.2	58.1	64.1	71.6	74.0	76.6	77.8	77.8	78.3	78.7	78.7	79.1	79.5	79.6	80.1
GE 1000	47.0	53.4	58.4	64.5	72.2	74.6	77.3	78.8	78.9	79.5	79.9	79.9	80.3	80.6	80.8	81.3
GE 900	47.0	53.4	58.5	64.6	72.4	74.8	77.5	79.0	79.1	79.7	80.1	80.1	80.5	80.9	81.0	81.5
GE 800	47.0	53.4	58.6	64.8	72.8	75.3	78.0	79.6	79.7	80.2	80.6	80.6	81.1	81.4	81.5	82.0
GE 700	47.0	53.4	58.6	64.9	73.1	75.8	78.8	80.6	80.8	81.3	81.7	81.7	82.2	82.5	82.6	83.1
GE 600	47.1	53.8	59.2	65.6	74.1	76.9	80.2	82.2	82.3	82.8	83.2	83.2	83.7	84.0	84.1	84.6
GE 500	47.1	53.8	59.2	65.9	74.8	78.0	81.8	84.1	84.2	84.7	85.2	85.2	85.6	85.9	86.0	86.6
GE 400	47.1	53.8	59.5	66.1	75.6	78.7	82.9	86.0	86.2	86.8	87.2	87.2	87.6	88.0	88.1	88.9
GE 300	47.1	53.8	59.5	66.3	75.9	79.0	83.5	86.8	87.2	87.7	88.2	88.2	88.6	89.0	89.6	90.5
GE 200	47.1	53.8	59.5	66.3	76.1	79.2	83.8	87.0	87.5	88.2	88.7	88.7	89.1	89.8	90.8	92.8
GE 100	47.1	53.8	59.5	66.3	76.1	79.2	83.8	87.1	87.7	88.4	89.2	89.2	90.9	92.0	94.2	98.6
GE 000	47.1	53.8	59.5	66.3	76.1	79.2	83.8	87.1	87.7	88.4	89.2	89.2	90.9	92.2	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.4	31.5	34.4	37.0	40.8	42.3	43.6	44.6	44.8	45.1	45.4	45.5	45.8	45.9	46.2	46.9
GE 20000	30.4	33.7	36.8	39.7	43.9	45.6	47.0	48.1	48.3	48.7	49.0	49.1	49.4	49.6	49.8	50.6
GE 18000	30.5	33.8	36.9	39.7	44.0	45.7	47.1	48.3	48.4	48.8	49.2	49.3	49.5	49.7	49.9	50.7
GE 16000	30.5	33.8	36.9	39.7	44.0	45.7	47.1	48.3	48.4	48.8	49.2	49.3	49.5	49.7	49.9	50.7
GE 14000	31.4	34.7	37.9	40.8	45.1	46.9	48.3	49.4	49.6	50.0	50.4	50.5	50.7	50.9	51.1	51.9
GE 12000	32.0	35.5	38.8	41.8	46.3	48.0	49.5	50.7	50.8	51.2	51.6	51.7	52.0	52.1	52.4	53.2
GE 10000	34.5	38.1	41.5	44.8	49.6	51.4	52.9	54.1	54.3	54.7	55.1	55.2	55.5	55.6	55.9	56.7
GE 9000	34.6	38.2	41.6	44.9	49.7	51.5	53.0	54.2	54.4	54.8	55.2	55.3	55.6	55.7	56.0	56.8
GE 8000	36.4	40.0	43.5	47.1	51.9	53.8	55.3	56.5	56.7	57.1	57.5	57.6	57.9	58.1	58.3	59.1
GE 7000	37.2	41.0	44.5	48.0	53.0	54.8	56.3	57.6	57.8	58.2	58.7	58.8	59.0	59.2	59.5	60.3
GE 6000	37.9	41.7	45.3	48.9	54.0	55.8	57.4	58.7	58.9	59.3	59.7	59.8	60.1	60.3	60.6	61.4
GE 5000	38.9	42.8	46.6	50.3	55.5	57.4	59.1	60.5	60.7	61.2	61.6	61.7	62.0	62.1	62.4	63.2
GE 4500	40.2	44.3	48.4	52.2	57.6	59.6	61.3	62.8	63.0	63.5	63.9	64.0	64.3	64.5	64.7	65.5
GE 4000	41.4	45.5	49.9	53.8	59.5	61.5	63.3	64.8	65.0	65.5	66.0	66.0	66.3	66.5	66.8	67.6
GE 3500	42.3	46.5	51.0	55.0	60.9	63.0	64.9	66.4	66.6	67.1	67.5	67.6	68.0	68.1	68.4	69.2
GE 3000	43.3	47.7	52.4	56.7	63.1	65.2	67.2	68.8	69.0	69.5	70.0	70.1	70.4	70.6	70.8	71.6
GE 2500	43.8	48.3	53.1	57.5	64.1	66.3	68.3	69.9	70.1	70.6	71.1	71.2	71.5	71.7	71.9	72.8
GE 2000	44.3	48.8	54.0	58.6	65.5	67.8	69.9	71.5	71.8	72.3	72.8	72.9	73.2	73.4	73.6	74.4
GE 1800	44.5	49.1	54.2	59.0	65.9	68.2	70.3	72.0	72.2	72.8	73.2	73.3	73.7	73.8	74.1	74.9
GE 1500	44.9	49.6	54.8	59.8	67.0	69.3	71.5	73.3	73.6	74.1	74.6	74.8	75.1	75.3	75.6	76.4
GE 1200	45.2	50.1	55.6	60.7	68.5	71.0	73.3	75.2	75.4	76.0	76.5	76.6	77.0	77.2	77.4	78.2
GE 1000	45.4	50.3	55.9	61.2	69.3	71.9	74.3	76.3	76.6	77.1	77.6	77.8	78.1	78.3	78.6	79.4
GE 900	45.5	50.3	56.1	61.4	69.7	72.4	74.9	77.0	77.3	77.8	78.3	78.5	78.8	79.0	79.3	80.1
GE 800	45.6	50.5	56.3	61.8	70.3	73.1	75.7	77.9	78.2	78.7	79.3	79.4	79.8	80.0	80.2	81.0
GE 700	45.6	50.5	56.4	62.0	70.8	73.8	76.5	78.8	79.2	79.7	80.3	80.4	80.8	81.0	81.3	82.1
GE 600	45.6	50.7	56.7	62.3	71.4	74.6	77.5	80.3	80.7	81.3	81.9	82.1	82.5	82.7	82.9	83.8
GE 500	45.6	50.7	56.8	62.6	72.0	75.4	78.8	82.1	82.6	83.3	83.9	84.1	84.5	84.7	85.0	85.8
GE 400	45.7	50.8	56.9	62.8	72.4	76.1	80.0	83.9	84.6	85.5	86.3	86.5	87.0	87.3	87.5	88.5
GE 300	45.7	50.8	56.9	62.9	72.7	76.4	80.5	85.0	86.0	87.5	88.6	88.9	89.6	89.9	90.3	91.4
GE 200	45.7	50.8	56.9	62.9	72.8	76.5	80.6	85.3	86.3	88.2	89.7	90.0	91.4	92.2	93.2	95.2
GE 100	45.7	50.8	56.9	62.9	72.8	76.5	80.6	85.3	86.4	88.3	89.9	90.2	91.9	92.9	94.8	99.4
GE 000	45.7	50.8	56.9	62.9	72.8	76.5	80.6	85.3	86.4	88.3	89.9	90.2	91.9	92.9	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB / SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.0	67.2	68.5	69.3	70.3	70.5	70.8	71.1	71.1	71.2	71.3	71.3	71.3	71.4	71.4	71.6
GE 20000	70.1	71.4	72.8	73.7	74.8	75.1	75.4	75.7	75.7	75.8	75.9	75.9	76.0	76.0	76.1	76.3
GE 18000	70.3	71.6	73.0	73.9	75.0	75.3	75.7	75.9	76.0	76.1	76.1	76.2	76.2	76.3	76.3	76.5
GE 16000	70.4	71.8	73.1	74.1	75.2	75.5	75.8	76.1	76.1	76.2	76.3	76.3	76.4	76.4	76.5	76.6
GE 14000	71.5	72.8	74.3	75.3	76.4	76.8	77.1	77.3	77.4	77.5	77.6	77.6	77.7	77.7	77.8	77.9
GE 12000	72.8	74.3	75.7	76.8	78.0	78.3	78.7	78.9	79.0	79.1	79.2	79.2	79.3	79.3	79.4	79.5
GE 10000	75.4	76.9	78.5	79.6	80.9	81.3	81.6	81.9	82.0	82.1	82.2	82.2	82.2	82.3	82.4	82.5
GE 9000	75.5	77.0	78.6	79.8	81.1	81.5	81.8	82.1	82.2	82.3	82.4	82.4	82.4	82.5	82.6	82.7
GE 8000	77.0	78.6	80.2	81.4	82.8	83.2	83.6	83.9	84.0	84.1	84.2	84.2	84.2	84.3	84.4	84.5
GE 7000	77.5	79.1	80.8	82.0	83.4	83.8	84.2	84.5	84.6	84.7	84.8	84.8	84.9	84.9	85.0	85.2
GE 6000	78.2	79.8	81.5	82.8	84.3	84.7	85.1	85.4	85.5	85.6	85.7	85.7	85.8	85.8	85.9	86.1
GE 5000	79.2	80.9	82.7	84.0	85.6	86.0	86.4	86.7	86.8	86.9	87.0	87.0	87.1	87.2	87.3	87.4
GE 4500	80.2	82.0	83.8	85.2	86.8	87.2	87.7	88.0	88.1	88.2	88.3	88.3	88.4	88.5	88.6	88.7
GE 4000	81.3	83.1	85.0	86.5	88.2	88.6	89.1	89.4	89.5	89.6	89.7	89.8	89.8	89.9	90.0	90.1
GE 3500	81.8	83.6	85.6	87.1	88.9	89.3	89.8	90.2	90.2	90.4	90.5	90.5	90.6	90.6	90.7	90.9
GE 3000	82.8	84.7	86.8	88.4	90.3	90.8	91.3	91.7	91.8	91.9	92.0	92.0	92.1	92.2	92.2	92.4
GE 2500	83.1	84.9	87.1	88.7	90.7	91.2	91.8	92.2	92.2	92.4	92.5	92.5	92.6	92.6	92.7	92.9
GE 2000	83.4	85.4	87.6	89.3	91.4	91.9	92.5	92.9	92.9	93.1	93.2	93.2	93.3	93.4	93.4	93.6
GE 1800	83.5	85.5	87.7	89.4	91.5	92.0	92.6	93.0	93.1	93.3	93.4	93.4	93.5	93.5	93.6	93.8
GE 1500	83.8	85.8	88.1	89.9	92.0	92.6	93.2	93.6	93.7	93.9	94.0	94.0	94.1	94.1	94.2	94.4
GE 1200	84.1	86.1	88.5	90.3	92.6	93.2	93.8	94.3	94.4	94.5	94.6	94.7	94.8	94.8	94.9	95.1
GE 1000	84.3	86.4	88.8	90.6	93.0	93.6	94.3	94.7	94.8	94.9	95.1	95.1	95.2	95.3	95.4	95.5
GE 900	84.4	86.4	88.9	90.8	93.2	93.8	94.5	95.0	95.1	95.2	95.4	95.4	95.5	95.5	95.6	95.8
GE 800	84.4	86.5	89.0	90.9	93.3	94.0	94.7	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.8	96.0
GE 700	84.5	86.6	89.1	91.0	93.5	94.2	95.0	95.5	95.6	95.8	95.9	95.9	96.0	96.1	96.2	96.3
GE 600	84.5	86.6	89.1	91.1	93.7	94.4	95.3	95.8	95.9	96.1	96.3	96.3	96.4	96.4	96.5	96.7
GE 500	84.5	86.6	89.2	91.2	93.9	94.7	95.6	96.3	96.4	96.6	96.8	96.8	96.9	97.0	97.1	97.2
GE 400	84.5	86.6	89.2	91.2	94.1	94.9	95.9	96.7	96.9	97.1	97.1	97.3	97.4	97.5	97.6	97.8
GE 300	84.5	86.7	89.2	91.3	94.1	94.9	96.0	96.9	97.2	97.5	97.7	97.8	97.9	98.0	98.2	98.4
GE 200	84.5	86.7	89.2	91.3	94.1	95.0	96.0	97.0	97.3	97.7	98.0	98.0	98.3	98.4	98.7	99.1
GE 100	84.5	86.7	89.2	91.3	94.1	95.0	96.1	97.0	97.3	97.7	98.0	98.1	98.4	98.6	99.0	99.8
GE 000	84.5	86.7	89.2	91.3	94.1	95.0	96.1	97.0	97.3	97.7	98.0	98.1	98.4	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 87639

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	27.8	15.6	12.6	34.3	9.7	56.6	15.7	930
03-05	23.3	15.6	12.7	34.7	13.7	61.1	15.4	930
06-08	10.5	23.7	16.5	37.5	11.8	65.8	22.7	930
09-11	7.8	23.9	21.7	39.9	6.7	68.3	22.7	930
12-14	8.4	25.4	25.6	38.6	2.0	66.2	16.2	930
15-17	7.3	29.6	27.7	34.9	.4	63.1	15.6	930
18-20	19.1	25.3	18.5	34.3	2.8	55.6	12.0	930
21-23	28.5	19.6	13.3	32.4	6.2	51.9	12.3	930
ALL HOURS	16.6	22.3	18.6	35.8	6.7	61.1	16.6	7440

MONTH: FEB HOURS: ALL

00-02	34.8	25.1	12.6	25.3	2.2	40.2	4.8	846
03-05	34.8	24.2	12.5	26.1	2.4	41.0	6.7	846
06-08	14.4	36.1	22.2	24.6	2.7	49.5	7.9	846
09-11	9.9	32.2	29.1	26.8	2.0	57.9	5.4	846
12-14	8.2	37.1	27.3	27.1	.4	54.7	4.1	846
15-17	7.2	35.7	29.4	27.7		57.1	5.0	846
18-20	18.1	34.6	20.2	26.6	.5	47.3	3.0	846
21-23	30.1	29.8	14.2	24.5	1.4	40.1	2.4	846
ALL HOURS	19.7	31.8	21.0	26.1	1.4	48.5	4.9	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	36.2	20.0	15.3	28.2	.3	43.8	1.1	930
03-05	34.6	21.1	15.6	28.4	.3	44.3	1.8	930
06-08	11.5	32.4	27.1	27.7	1.3	56.1	3.8	930
09-11	9.6	30.6	30.9	28.4	.5	59.8	2.5	930
12-14	6.6	33.1	30.9	29.2	.2	60.3	.4	930
15-17	4.5	36.6	30.6	28.3		58.9	.8	930
18-20	13.2	37.2	24.6	24.9		49.6	.4	930
21-23	31.8	26.5	14.9	26.8		41.7	.3	930
ALL HOURS	18.5	29.7	23.7	27.7	.3	51.8	1.4	7440

MONTH: APR HOURS: ALL

00-02	40.3	28.1	16.2	15.3		31.6		900
03-05	32.6	32.2	18.1	17.0	.1	35.2	.1	900
06-08	13.1	37.1	27.9	21.7	.2	49.8	.9	900
09-11	9.1	39.4	30.7	20.8		51.4	.3	900
12-14	6.8	41.2	32.3	19.7		52.0		900
15-17	4.7	44.4	32.0	18.9		50.9	.2	900
18-20	15.0	42.8	26.0	16.2		42.2	.6	900
21-23	39.4	27.4	19.0	14.1		33.1		900
ALL HOURS	20.1	36.6	25.3	18.0	.0	43.3	.3	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	52.2	27.6	14.6	5.6	20.2		930
03-05	39.1	37.3	15.7	7.8	23.5	.1	930
06-08	21.9	42.7	23.3	12.0	35.4	.2	930
09-11	16.3	46.1	27.6	9.9	37.5		930
12-14	9.5	56.5	23.3	10.8	34.1	.2	930
15-17	8.4	54.3	26.3	11.0	37.3	.4	930
18-20	18.8	49.6	23.9	7.7	31.6		930
21-23	48.1	32.7	12.8	6.5	19.2		930
ALL HOURS	26.8	43.3	21.0	8.9	29.9	.1	7440

MONTH: JUN HOURS: ALL

00-02	53.8	30.0	12.0	4.2	16.2		900
03-05	39.7	39.1	15.2	6.0	21.2		900
06-08	28.6	45.7	18.1	7.7	25.8	.1	900
09-11	25.0	54.9	14.0	6.1	20.1	.1	900
12-14	13.0	67.9	14.6	4.6	19.1		900
15-17	10.0	67.0	18.2	4.8	23.0		900
18-20	18.9	57.0	19.2	4.9	24.1		900
21-23	46.8	37.3	12.6	3.3	15.9		900
ALL HOURS	29.5	49.9	15.5	5.2	20.7	.0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	69.5	22.0	7.1	1.4	8.5		930
03-05	53.4	36.8	8.7	1.1	9.8		930
06-08	42.5	43.4	12.8	1.3	14.1		930
09-11	42.0	47.2	9.5	1.3	10.8	.2	930
12-14	21.7	65.6	10.2	2.5	12.7	.3	930
15-17	18.6	68.3	10.9	2.2	13.0	.4	928
18-20	27.7	60.5	10.6	1.2	11.8		927
21-23	63.8	29.0	6.7	.5	7.2		927
ALL HOURS	42.4	46.6	9.6	1.4	11.0	.1	7432

MONTH: AUG HOURS: ALL

00-02	68.2	23.4	6.7	1.7	8.4		930
03-05	54.6	35.5	8.4	1.5	9.9		930
06-08	34.4	52.3	12.7	.4	13.3	.5	930
09-11	35.6	52.3	12.2		12.2		930
12-14	21.5	64.5	12.7	1.3	14.0	.3	930
15-17	15.8	70.4	12.0	1.7	13.8	.1	930
18-20	32.6	55.4	10.9	1.2	12.0	.1	930
21-23	64.9	25.9	7.7	1.4	9.1		930
ALL HOURS	41.0	47.5	10.4	1.2	11.6	.1	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	64.0	23.4	7.9	4.7		12.6	.8	900
03-05	57.2	28.1	9.9	4.8		14.7	1.1	900
06-08	33.8	45.3	15.4	5.4		20.9	4.4	900
09-11	32.6	48.0	14.7	4.8		19.4	5.2	900
12-14	24.7	54.4	15.4	5.4		20.9	6.1	900
15-17	23.3	56.0	15.4	5.2		20.7	4.9	900
18-20	38.6	42.7	14.6	4.2		18.8	3.6	900
21-23	58.4	26.9	9.8	4.9		14.7	.9	900
ALL HOURS	41.6	40.6	12.9	4.9		17.8	3.4	7200

MONTH: OCT HOURS: ALL

00-02	57.3	21.0	12.6	8.8	.3	21.7	.5	930
03-05	58.5	20.2	10.9	10.2	.2	21.3	2.3	930
06-08	23.2	48.6	19.5	8.1	.6	28.2	5.1	930
09-11	25.1	42.8	22.8	9.1	.2	32.2	4.7	930
12-14	20.6	48.2	22.2	9.0		31.2	2.8	930
15-17	18.3	51.2	21.2	9.4		30.5	3.0	930
18-20	34.9	41.2	14.8	8.9	.1	23.9	.8	930
21-23	53.2	25.4	11.6	9.5	.3	21.4	.1	930
ALL HOURS	36.4	37.3	16.9	9.1	.2	26.3	2.4	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	32.7	24.9	14.0	25.7	2.8	42.4	7.1	900
03-05	32.6	22.6	15.0	26.2	3.7	44.9	9.7	900
06-08	14.4	35.2	21.0	26.2	3.1	50.3	13.0	900
09-11	9.8	31.7	28.3	27.9	2.3	58.6	12.3	900
12-14	9.0	33.7	27.4	29.6	.3	57.3	10.3	900
15-17	8.3	37.9	16.9	26.9		53.8	8.9	900
18-20	19.2	34.1	20.1	26.6		46.7	7.1	900
21-23	29.3	27.3	16.9	25.6	.9	43.3	5.9	900
ALL HOURS	19.4	30.9	21.2	26.8	1.6	49.7	9.3	7200

MONTH: DEC HOURS: ALL

00-02	26.0	18.8	12.3	30.8	12.2	55.2	16.2	930
03-05	24.3	16.2	11.4	34.1	14.0	59.5	18.7	930
06-08	13.0	21.8	16.7	34.0	14.5	65.2	20.0	930
09-11	8.7	23.4	22.4	35.7	9.8	67.8	23.5	930
12-14	7.0	31.8	19.7	37.1	4.4	61.2	24.5	930
15-17	6.5	34.1	21.8	33.4	4.2	59.5	19.7	930
18-20	19.7	27.7	12.7	33.0	6.9	52.6	15.6	930
21-23	29.4	16.9	14.1	29.9	9.8	53.8	15.7	930
ALL HOURS	16.8	23.9	16.4	33.5	9.5	59.3	19.2	7440

D - 3 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	47.0	23.3	12.0	15.5	2.3	29.7	3.9	10956
03-05	40.4	27.4	12.8	16.5	2.9	32.2	4.7	10956
06-08	21.8	38.7	19.4	17.2	2.9	39.5	6.6	10956
09-11	19.4	39.4	21.9	17.5	1.8	41.2	6.5	10956
12-14	13.1	46.7	21.8	17.9	.6	40.2	5.5	10956
15-17	11.1	48.9	22.7	17.0	.4	40.0	4.9	10954
18-20	23.0	42.4	18.0	15.8	.9	34.6	3.6	10953
21-23	43.8	27.0	12.8	14.9	1.6	29.2	3.1	10953
ALL HOURS	27.4	36.7	17.7	16.5	1.7	35.8	4.8	87640

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

E - 1 - 1

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 110						.2	.4	.3	.1				.1
GE 105						1.5	3.7	2.3	.9				.7
GE 100					.6	9.1	16.7	12.4	6.0	.1			3.8
GE 95					4.5	20.5	42.8	32.4	19.0	1.8			10.2
GE 90				.8	14.3	36.8	69.7	60.0	39.3	6.5			19.1
GE 85			.1	5.6	27.9	57.1	87.1	81.2	61.0	17.8	.1		28.3
GE 80			1.1	16.7	45.8	78.3	95.3	93.4	78.6	36.1	1.4		37.4
GE 75		.6	7.0	33.1	64.5	90.7	98.9	98.5	91.8	58.8	7.1		46.1
GE 70	.2	5.5	19.8	52.2	82.1	97.5	99.9	99.7	97.8	79.9	18.5	.4	54.7
GE 65	2.8	20.1	41.9	74.1	94.5	99.4	100.0	99.9	99.5	93.2	39.9	3.0	64.1
GE 60	15.9	47.9	69.7	89.7	98.6	99.9		100.0	100.0	98.6	65.0	17.2	75.2
GE 55	39.6	78.5	91.9	97.8	99.9	100.0				100.0	88.3	45.2	86.6
GE 50	71.9	93.9	98.9	99.9	100.0						97.6	73.8	94.6
GE 45	90.3	99.1	99.9	100.0							99.7	90.5	98.2
GE 40	97.9	100.0	100.0								100.0	97.3	99.6
GE 35	99.9											99.6	100.0
GE 33	100.0											99.9	100.0
GE 30												100.0	100.0
MEAN	52.9	59.3	63.4	70.5	78.6	86.5	92.7	90.9	86.8	76.6	62.8	53.3	72.9
SD	6.28	6.20	6.89	8.59	9.30	9.09	7.22	7.28	8.54	8.24	7.31	6.52	15.90
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1475	1550	1500	1550	18095

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 75						.2	.3	.3	.1				.1
GE 70						1.7	4.3	2.7	1.3				.8
GR 65					.9	7.7	17.5	14.4	7.3	.1			4.0
GE 60				.2	5.9	24.9	50.7	44.8	30.8	4.4	.1	.1	13.6
GE 55	1.0	1.2	1.3	4.5	23.4	64.9	90.7	90.9	72.9	24.9	3.1	.8	31.8
GE 50	5.3	10.5	13.4	27.6	66.1	94.5	99.9	100.0	96.3	64.9	18.4	5.6	50.4
GE 45	18.1	28.6	42.9	66.9	92.7	99.5	100.0		99.7	90.8	44.6	19.6	67.1
GE 40	38.6	60.5	79.9	93.1	99.7	100.0			100.0	98.3	73.2	44.5	82.3
GE 35	68.3	88.2	96.6		100.0					99.9	92.9	74.5	93.3
GE 33	77.4	93.9	98.4	100.0						99.9	97.3	83.5	95.8
GE 30	90.2	98.3	99.8							100.0	99.2	93.0	98.4
GE 25	99.0	99.9	100.0								99.9	98.7	99.8
GE 20	100.0	100.0									100.0	99.7	100.0
GE 15												100.0	100.0
MEAN	38.0	41.3	43.6	46.6	51.4	56.6	60.1	59.6	57.4	51.1	43.6	38.8	49.0
SD	6.71	5.93	5.08	4.62	4.88	5.06	4.65	4.30	4.80	5.04	6.08	6.57	9.46
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1475	1550	1499	1550	18094

E - 2 - 2

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90						.3	.9	.3	.3				.2
GE 85					.1	3.9	7.8	5.3	2.0				1.6
GE 80					1.8	14.3	29.9	22.2	12.6	.5			6.8
GE 75				.2	9.4	31.1	63.5	54.0	34.7	4.6			16.6
GE 70			.1	3.5	24.7	60.5	90.1	87.9	65.0	16.8			29.2
GE 65			1.6	16.4	51.1	87.6	99.3	99.1	90.4	45.6	1.9		41.3
GE 60	.7	3.3	12.8	43.5	80.8	98.5	100.0	99.9	98.6	78.0	13.4	.5	52.7
GE 55	5.6	20.9	41.9	75.1	96.8	99.9		100.0	100.0	95.8	42.5	5.9	65.5
GE 50	23.5	57.7	78.9	95.6	99.8	100.0				99.5	74.6	27.8	79.7
GE 45	56.3	89.0	97.9	99.9	100.0					100.0	94.3	62.3	91.5
GE 40	87.5	98.6	99.9	100.0							99.7	88.8	97.8
GE 35	98.4	99.9	100.0								100.0	98.5	99.7
GE 33	99.8	100.0										99.0	99.9
GE 30	100.0											99.6	100.0
GE 25												100.0	100.0
MEAN	45.6	50.5	53.7	58.7	65.2	71.7	76.6	75.4	72.2	64.0	53.4	46.2	61.1
SD	5.41	4.99	4.95	5.77	6.46	6.58	5.44	5.26	6.01	5.80	5.50	5.47	12.23
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1475	1550	1499	1550	18094

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: 'LL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41									89*	90	78	66	90*
42	64	67	78	77	94	107	109	101	100	93	78	65	109
43	62	76	75	79	99	101	106	100	103	96	76	71	106
44	65	64	80	80	93	100	101	107	109	88	69	65	109
45	65	67	76	92	91	105	108	101	102	94	79	62	108
46	61				88*	101	103	105	97	88	69	61	105*
47	65	74	78	90	101	103	104	100	101	96	68	61	104
48	70	68	72	76	86	98	106	98	103	92	75	62	106
49	58	68	69	87	97	103	102	99	103	91	84	61	103
50	66	71	80	90	102	108	109	110	111	94	80	68	111
51	60	70	78	92	100	100	103	104	102	91	79	63	104
52	61	70	82	83	96	98	104	101	102	101	81	63	104
53	69	71	80	87	87	98	103	100	104	93	77	69	104
54	60	74	74	88	95	104	108	93	96	91	75	64	108
55	58	66	81	79	94	102	102	105	108	89	81	64	108
56	57	65	78	84	96	106	102	100	98	89	78	70	106
57	61	73	79	90	94	106	102	102	104	78	70	63	106
58	63	70	66	84	94	98	101	102	103	96	80	70	103
59	67	73	75	88	91	105	105	103	97	89	75	70	105
60	64	63	81	84	96	108	107	101	99	84	82	62	108
61	62	67	74	86	82	111	108	103	97	96	76	64	111
62	64	60	72	86	88	102	102	101	94	89	78	63	102
63	62	72	71	73	90	99	98	99	102	96	70	53	102
64	61	75	78	87	89	103	102	100	100	95	71	66	103
65	59	71	75	89	93	95	100	98	91	90	75	57	100
66	67	65	84	86	94	105	103	107	102	90	85	64	107
67	65	70	68	65	99	104	103	106	99	90	82	72	106
68	63	73	79	88	93	103	105	105	95	85	73	63	105
69	61	63	79	82	101	97	107	107	103	88	80	68	107
70	67	73	82	85	98	104	107	107	101	97	75	60	107
71	63	68	79	80	85	98	101	107	103	93	74	59	107
72	57	68	81	85	99	110	112	104	92	87	71	59	112
73	57	63	64	86	97	104	102	99	94	82	65	62	104
74	63	67	75	85	100	102	102	102	101	97	73	61	102
75	62	73	70	80	95	105	109	104	101	92	76	65	109

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	72	71	79	89	100	106	104	105	104	89	80	64	106
77	60	75	73	85	95	103	107	101	101	88	72	64	107
78	61	69	76	81	95	104	103	113	96	94	76	61	113
79	60	64	73	74	96	100	104	102	103	92	68	66	104
80	65	64	70	81	94	103	109	106	97	100	77	63	109
81	63	69	70	93	94	103	101	106	95	82	74	62	106
82	57	67	66	80	99	95	100	100	97	84	68	60	100
83	61	64	69	75	93	95	104	103	102	82	70	59	104
84	65	64	73	82	102	98	105	105	104	88	71	60	105
85	56	75	74	87	92	103	103	95	95	94	83	61	103
86	64	71	78	87	96	105	101	102	97	88	81	65	105
87	66	70	76	92	99	104	100	105	102	97	69	67	105
88	66	73	88	91	96	104	112	104	109	91	77	70	112
89	65	72	72	90	96	103	109	99	97	86	72	66	109
90	64	71	77	90	97	104	110	111	101	94	76	63	111
91	67	77	73	86	92	101	111						111*
GREATEST	72	77	88	93	102	111	112	113	111	101	85	72	113
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1475	1550	1500	1550	18095

THE GREATEST VALUE OF 113 OCCURRED ON 08/09/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41									51*	44	32	33	32*
42	26	32	35	39	40	49	56	54	52	44	34	30	26
43	25	30	36	40	40	45	51	52	51	38	32	31	25
44	29	33	31	35	42	44	53	53	49	48	33	31	29
45	26	31	32	34	42	41	52	50	46	45	31	29	26
46	29				50*	47	54	53	51	31	32	29	29*
47	27	34	34	38	42	48	53	52	46	43	28	29	27
48	27	26	30	38	40	49	50	54	44	37	30	25	25
49	22	25	40	41	46	52	53	55	52	36	41	27	22
50	25	28	32	43	38	45	55	52	45	43	43	35	25
51	29	31	30	39	44	48	51	54	51	45	35	30	29
52	27	34	33	41	42	43	55	53	52	45	27	31	27
53	34	32	32	35	42	46	55	53	50	44	36	34	32
54	30	34	33	41	41	47	56	53	50	40	31	30	30
55	30	30	34	34	45	48	52	53	49	45	35	34	30
56	32	30	32	39	47	49	54	54	53	36	34	28	28
57	28	30	37	43	47	53	54	53	54	46	36	32	28
58	34	38	34	39	47	54	57	60	49	48	30	37	30
59	30	33	40	43	44	53	56	53	50	46	39	28	28
60	27	34	38	41	43	53	53	53	49	45	34	29	27
61	28	34	37	36	42	50	52	52	50	40	29	28	28
62	22	27	34	41	44	48	53	52	50	47	33	25	22
63	21	43	33	37	42	51	51	50	53	39	34	31	21
64	28	29	30	34	38	50	49	53	47	46	29	33	28
65	28	34	36	40	42	48	51	56	46	43	34	24	24
66	28	29	29	38	47	45	54	52	50	42	36	30	28
67	30	34	32	36	40	49	55	57	58	46	35	27	27
68	21	33	37	39	41	47	52	52	47	42	35	24	21
69	28	33	35	40	46	56	58	53	51	41	34	30	28
70	28	36	37	37	44	52	54	54	53	37	36	32	28
71	26	29	25	34	44	44	53	56	44	35	33	26	25
72	25	25	35	37	43	49	53	52	46	37	34	21	21
73	26	35	34	37	42	48	52	52	51	41	33	35	26
74	30	35	35	40	41	54	53	56	53	48	36	28	28
75	26	33	38	38	39	49	51	54	54	40	29	32	26

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	29	35	32	36	49	49	56	55	52	41	32	24	24
77	29	30	31	41	43	49	54	55	50	45	30	34	29
78	32	36	41	39	46	53	53	52	44	39	32	24	24
79	25	30	36	37	41	50	54	54	52	40	34	29	25
80	29	34	35	38	41	47	55	55	52	40	32	28	28
81	32	32	36	38	43	52	53	54	48	40	35	36	32
82	28	29	33	35	42	47	52	52	50	42	32	26	26
83	31	34	40	36	41	50	52	56	52	44	33	35	31
84	32	31	39	37	41	47	53	55	51	42	33	28	28
85	29	29	33	44	43	49	56	51	46	41	29	27	27
86	36	32	40	36	40	49	54	54	44	44	33	34	32
87	28	33	36	43	44	51	51	52	51	44	30	27	27
88	30	28	33	39	40	43	54	50	48	44	34	27	27
89	28	23	33	39	41	50	51	54	51	35	27	23	23
90	25	26	37	40	42	43	54	56	54	38	24	15	15
91	22	32	32	39	37	46	51						22*
LEAST	21	23	25	34	37	41	49	50	44	31	24	15	15
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1475	1550	1499	1550	18094

THE LEAST VALUE OF 15 OCCURRED ON 12/24/90

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41									69*	62	55	49	56*
42	47	49	53	57	62	71	78	75	71	65	54	46	61
43	46	52	55	59	66	67	76	74	74	63	55	48	61
44	48	49	55	55	65	68	73	76	75	66	51	48	61
45	44	52	50	60	62	72	78	74	73	66	53	48	61
46	45				65*	70	76	75	72	60	51	45	62*
47	42	50	55	61	69	71	73	72	74	62	50	44	60
48	49	46	49	54	60	70	74	73	72	63	53	43	59
49	39	46	53	63	65	74	76	73	73	63	57	45	60
50	43	51	53	61	66	70	77	77	72	65	58	50	62
51	46	51	54	59	66	70	74	75	73	63	55	46	61
52	45	50	51	60	68	67	77	76	75	68	53	48	62
53	52	52	53	59	61	68	79	73	74	64	55	49	62
54	47	50	51	62	66	70	78	71	70	63	53	44	61
55	43	48	55	54	66	70	74	77	73	65	53	51	61
56	48	48	55	59	65	73	76	74	73	62	55	46	61
57	45	53	55	61	65	76	77	75	73	62	53	46	62
58	47	55	52	60	68	71	76	81	76	69	56	52	64
59	50	50	58	64	65	75	80	76	71	67	56	48	63
60	47	51	57	60	65	77	79	75	72	64	52	46	62
61	43	52	52	59	61	75	78	77	71	65	53	44	61
62	41	47	50	61	63	71	76	74	71	63	56	47	60
63	41	57	53	55	63	70	73	74	73	63	50	42	59
64	45	49	52	58	62	69	75	75	69	68	51	51	60
65	47	51	54	59	64	67	75	75	67	66	54	41	60
66	46	48	55	62	66	73	74	79	73	65	57	48	62
67	47	49	52	50	66	70	79	81	77	67	57	44	62
68	44	55	55	60	64	74	76	72	72	63	54	44	61
69	45	48	54	58	70	72	81	80	74	62	56	50	63
70	51	54	57	58	68	72	80	78	74	61	55	47	63
71	46	47	53	57	61	70	76	77	72	60	51	42	59
72	41	51	58	58	67	75	76	75	68	61	50	41	60
73	44	51	50	59	68	74	74	72	69	61	50	47	60
74	48	50	56	58	66	75	77	78	77	69	55	47	63
75	45	52	53	55	69	72	76	76	77	63	53	48	61

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: +08

PERIOD OF RECORD: 4109-4601,4605-9107
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	49	52	54	58	70	74	78	74	72	65	55	45	62
77	42	51	51	62	60	74	76	76	70	65	54	50	61
78	50	52	58	56	68	73	78	77	70	67	51	42	62
79	45	48	55	57	67	73	78	75	74	64	52	48	61
80	48	52	52	58	63	70	79	75	72	66	54	47	61
81	48	51	52	60	66	77	77	75	72	59	56	49	62
82	43	50	51	56	65	68	74	75	70	63	48	45	59
83	43	50	53	54	64	71	73	78	74	65	51	49	60
84	46	48	56	56	68	71	79	77	77	63	53	45	62
85	42	50	50	62	64	75	77	72	67	64	50	42	60
86	51	53	57	58	67	74	76	76	67	65	56	47	62
87	45	52	54	63	68	73	72	75	71	67	53	47	62
88	47	53	57	60	63	72	80	74	73	66	53	46	62
89	44	47	56	62	65	71	77	75	70	61	52	42	60
90	45	48	56	63	65	72	79	77	74	66	51	39	61
91	46	54	51	58	63	70	78						60*
.....													
MEAN	45.6	50.5	53.7	58.7	65.2	71.7	76.6	75.4	72.2	64.0	53.4	46.2	61.1
.....													
TOTAL OBS	1550	1384	1519	1470	1528	1500	1550	1519	1475	1550	1499	1550	18094
.....													

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	41.0	5.787	929	0	50	0	0	0	929
03-05	39.8	6.128	930	0	111	0	0	0	930
06-08	39.1	6.204	930	0	152	0	0	0	930
09-11	44.6	5.673	930	0	3	0	0	0	930
12-14	50.5	6.357	930	0	0	3	0	0	930
15-17	51.3	6.294	930	0	0	15	0	0	930
18-20	45.6	5.218	930	0	1	0	0	0	930
21-23	42.6	5.349	930	0	10	0	0	0	930
ALL HOURS	44.3	7.272	7439	0	327	18	0	0	7439

MONTH: FEB

00-02	44.7	6.228	846	0	20	0	0	0	846
03-05	43.1	6.510	846	0	43	0	0	0	846
06-08	42.7	6.564	846	0	45	0	0	0	846
09-11	50.8	6.453	846	0	5	9	0	0	846
12-14	57.6	6.636	846	0	0	149	0	0	846
15-17	59.0	6.894	846	0	0	206	0	0	846
18-20	52.3	6.303	846	0	1	28	0	0	846
21-23	47.4	6.055	846	0	10	0	0	0	846
ALL HOURS	49.7	8.798	6768	0	124	392	0	0	6768

E - 5 - 1 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	48.3	4.815	930	0	0	0	0	0	930
03-05	46.5	5.143	930	0	0	0	0	0	930
06-08	47.1	5.251	930	0	1	0	0	0	930
09-11	54.9	5.443	930	0	0	44	0	0	930
12-14	60.7	6.731	930	0	0	280	3	0	930
15-17	61.9	7.487	930	0	0	351	6	0	930
18-20	56.0	6.469	930	0	0	96	1	0	930
21-23	50.7	4.972	930	0	0	7	0	0	930
ALL HOURS	53.3	8.075	7440	0	1	778	10	0	7440

MONTH: APR

00-02	50.9	4.707	900	0	0	4	0	0	900
03-05	48.8	4.648	900	0	0	0	0	0	900
06-08	51.7	5.422	900	0	0	15	0	0	900
09-11	61.8	6.799	900	0	0	284	7	0	900
12-14	68.5	8.192	900	0	0	583	100	0	900
15-17	69.8	9.040	900	0	0	635	140	0	900
18-20	62.4	8.043	900	0	0	317	31	0	900
21-23	54.4	5.282	900	0	0	37	0	0	900
ALL HOURS	58.5	10.216	7200	0	0	1875	278	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	54.7	5.748	930	0	0	67	0	0	930
03-05	52.3	5.323	930	0	0	22	0	0	930
06-08	57.6	6.485	930	0	0	136	2	0	930
09-11	68.6	7.912	930	0	0	606	95	2	930
12-14	76.3	9.008	930	0	0	848	354	32	930
15-17	78.0	9.546	930	0	0	861	408	64	930
18-20	69.6	9.361	930	0	0	616	154	7	930
21-23	59.2	6.811	930	0	0	194	5	0	930
ALL HOURS	64.5	12.029	7440	0	0	3350	1018	105	7440

MONTH: JUN

00-02	59.6	5.231	900	0	0	173	0	0	900
03-05	57.0	4.490	900	0	0	45	0	0	900
06-08	62.8	6.161	900	0	0	301	10	0	900
09-11	74.4	7.840	900	0	0	809	233	11	900
12-14	83.4	8.375	900	0	0	888	617	132	900
15-17	85.7	8.675	900	0	0	892	701	221	900
18-20	76.7	9.479	900	0	0	816	338	53	900
21-23	64.5	6.402	900	0	0	401	14	0	900
ALL HOURS	70.5	12.621	7200	0	0	4325	1913	417	7200

E - 5 - 1 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	63.9	5.200	930	0	0	415	0	0	930
03-05	60.8	4.772	930	0	0	212	0	0	930
06-08	65.9	6.111	930	0	0	511	21	0	930
09-11	78.4	7.360	930	0	0	916	399	30	930
12-14	88.8	7.688	930	0	0	930	819	302	930
15-17	91.8	7.884	928	0	0	928	852	473	928
18-20	82.2	9.008	927	0	0	917	565	134	927
21-23	68.9	5.956	927	0	0	688	43	0	927
ALL HOURS	75.1	13.048	7432	0	0	5517	2699	939	7432

MONTH: AUG

00-02	63.7	5.143	930	0	0	339	7	0	930
03-05	60.7	4.706	930	0	0	173	2	0	930
06-08	63.8	5.711	930	0	0	365	13	0	930
09-11	76.4	6.912	930	0	0	919	282	18	930
12-14	86.8	6.990	930	0	0	927	799	194	930
15-17	89.7	7.410	930	0	0	928	862	325	930
18-20	80.1	8.581	930	0	0	914	478	83	930
21-23	68.2	5.725	930	0	0	677	43	0	930
ALL HOURS	73.7	12.338	7440	0	0	5242	2486	620	7440

E - 5 - 1 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	61.3	5.684	900	0	0	242	6	0	900
03-05	58.8	5.289	900	0	0	114	1	0	900
06-08	61.0	6.172	900	0	0	225	8	0	900
09-11	73.2	7.934	900	0	0	777	203	10	900
12-14	82.3	9.009	900	0	0	878	567	113	900
15-17	84.4	9.539	900	0	0	882	617	183	900
18-20	74.3	8.886	900	0	0	775	248	23	900
21-23	65.2	6.417	900	0	0	452	25	0	900
ALL HOURS	70.0	11.939	7200	0	0	4345	1675	329	7200

MONTH: OCT

00-02	55.1	5.228	930	0	0	34	0	0	930
03-05	52.9	5.260	930	0	0	12	0	0	930
06-08	54.1	5.734	930	0	0	40	0	0	930
09-11	65.6	6.682	930	0	0	502	29	0	930
12-14	73.7	7.507	930	0	0	816	203	9	930
15-17	74.8	8.053	930	0	0	815	271	16	930
18-20	64.3	6.634	930	0	0	438	16	0	930
21-23	57.9	5.071	930	0	0	84	0	0	930
ALL HOURS	62.3	10.340	7440	0	0	2741	519	25	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	47.1	6.187	900	0	1	0	0	0	900
03-05	45.8	6.655	900	0	19	0	0	0	900
06-08	45.6	6.870	900	0	26	0	0	0	900
09-11	53.8	6.772	900	0	0	41	0	0	900
12-14	59.7	7.404	900	0	0	264	1	0	900
15-17	59.7	7.531	900	0	0	271	3	0	900
18-20	52.5	5.985	900	0	0	15	0	0	900
21-23	49.0	5.928	900	0	0	0	0	0	900
ALL HOURS	51.7	8.553	7200	0	46	591	4	0	7200

MONTH: DEC

00-02	41.5	6.949	930	0	81	0	0	0	930
03-05	40.5	7.426	930	0	118	0	0	0	930
06-08	40.0	7.686	930	0	134	0	0	0	930
09-11	45.2	6.916	930	0	29	0	0	0	930
12-14	50.5	6.870	930	0	5	12	0	0	930
15-17	50.5	6.602	930	0	3	8	0	0	930
18-20	45.2	6.104	930	0	20	0	0	0	930
21-23	42.6	6.600	930	0	55	0	0	0	930
ALL HOURS	44.5	7.968	7440	0	445	20	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	52.7	9.749	10955	0	152	1274	13	0	10955
03-05	50.6	9.209	10956	0	291	578	3	0	10956
06-08	52.7	11.148	10956	0	358	1593	54	0	10956
09-11	62.4	13.613	10956	0	37	4907	1248	71	10956
12-14	70.0	15.372	10956	0	5	6578	3463	782	10956
15-17	71.4	16.286	10954	0	3	6792	3860	1282	10954
18-20	63.5	14.794	10953	0	22	4932	1831	300	10953
21-23	55.9	10.901	10953	0	75	2540	130	0	10953
ALL HOURS	59.9	14.953	87639	0	943	29194	10602	2435	87639

E - 5 - 1 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	39.3	5.431	929	90	29	0	0	0	929
03-05	38.3	5.815	930	171	23	0	0	0	930
06-08	37.7	5.981	930	196	9	0	0	0	930
09-11	42.0	4.854	930	10	55	0	0	0	930
12-14	45.6	4.549	930	0	190	0	0	0	930
15-17	46.0	4.441	930	0	206	0	0	0	930
18-20	42.7	4.538	930	4	73	0	0	0	930
21-23	40.5	4.902	930	30	48	0	0	0	930
ALL HOURS	41.5	5.896	7439	501	643	0	0	0	7439

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	42.1	6.127	846	54	94	0	0	0	846
03-05	40.7	6.332	846	91	69	0	0	0	846
06-08	40.4	6.487	846	93	60	0	0	0	846
09-11	46.0	5.738	846	16	231	0	0	0	846
12-14	49.8	5.488	846	4	468	0	0	0	846
15-17	50.3	5.609	846	0	496	0	0	0	846
18-20	47.1	5.737	846	11	311	0	0	0	846
21-23	44.1	5.887	846	24	167	0	0	0	846
ALL HOURS	45.1	6.909	6768	293	1896	0	0	0	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	45.3	4.692	930	0	169	0	0	0	930
03-05	43.9	4.988	930	5	124	0	0	0	930
06-08	44.4	5.047	930	7	150	0	0	0	930
09-11	49.4	4.502	930	0	444	0	0	0	930
12-14	52.1	4.861	929	0	635	0	0	0	929
15-17	52.5	5.073	930	0	643	0	0	0	930
18-20	49.8	4.903	930	0	483	0	0	0	930
21-23	47.0	4.465	930	0	268	0	0	0	930
ALL HOURS	48.1	5.798	7439	12	2916	0	0	0	7439

MONTH: APR

00-02	47.2	4.736	900	0	288	0	0	0	900
03-05	45.6	4.775	900	0	212	0	0	0	900
06-08	47.7	5.053	900	0	339	0	0	0	900
09-11	53.1	5.024	900	0	687	4	0	0	900
12-14	55.8	5.454	900	0	775	29	1	0	900
15-17	51.9	5.697	900	0	775	38	3	0	900
18-20	53.3	5.772	900	0	645	19	0	0	900
21-23	49.5	4.894	900	0	437	0	0	0	900
ALL HOURS	51.0	6.429	7200	0	4158	90	4	0	7200

E - 5 - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	50.2	4.547	930	0	465	0	0	0	930
03-05	48.6	4.389	930	0	332	0	0	0	930
06-08	51.7	4.611	929	0	621	0	0	0	929
09-11	56.6	4.770	930	0	881	34	0	0	930
12-14	59.2	4.946	930	0	922	91	0	0	930
15-17	59.4	4.980	930	0	910	98	0	0	930
18-20	56.9	5.157	930	0	862	32	0	0	930
21-23	52.8	4.947	930	0	677	1	0	0	930
ALL HOURS	54.4	6.178	7439	0	5670	256	0	0	7439

MONTH: JUN

00-02	53.9	3.693	900	0	787	0	0	0	900
03-05	52.5	3.659	900	0	698	0	0	0	900
06-08	55.7	3.804	900	0	859	3	0	0	900
09-11	60.7	4.008	900	0	900	67	0	0	900
12-14	63.7	4.022	900	0	900	231	15	0	900
15-17	63.8	4.131	900	0	900	253	15	0	900
18-20	60.9	4.463	900	0	896	106	0	0	900
21-23	56.4	4.016	900	0	868	5	0	0	900
ALL HOURS	58.5	5.709	7200	0	6808	665	30	0	7200

R - 5 - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	56.7	3.245	930	0	924	1	0	0	930
03-05	55.1	3.140	930	0	891	0	0	0	930
06-08	57.9	3.371	930	0	926	12	0	0	930
09-11	63.3	3.506	930	0	930	174	3	0	930
12-14	66.5	3.719	930	0	930	479	47	0	930
15-17	66.6	3.988	928	0	928	493	71	0	928
18-20	63.8	4.035	927	0	927	244	15	0	927
21-23	59.1	3.420	927	0	927	15	0	0	927
ALL HOURS	61.1	5.534	7432	0	7383	1418	136	0	7432

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	57.1	2.714	930	0	930	8	0	0	930
03-05	55.6	2.876	930	0	920	4	0	0	930
06-08	57.5	2.953	929	0	924	4	0	0	929
09-11	62.9	2.973	930	0	930	115	0	0	930
12-14	66.5	2.753	930	0	930	436	17	0	930
15-17	66.4	3.049	930	0	930	429	22	0	930
18-20	63.4	3.347	930	0	930	164	9	0	930
21-23	59.2	3.104	930	0	930	21	2	0	930
ALL HOURS	61.0	4.986	7439	0	7424	1181	50	0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	55.1	3.779	900	0	832	7	0	0	900
03-05	53.8	3.941	900	0	781	3	0	0	900
06-08	55.2	4.081	900	0	815	6	0	0	900
09-11	60.7	3.624	900	0	899	48	1	0	900
12-14	63.5	3.856	899	0	899	189	14	0	899
15-17	63.6	4.065	900	0	900	200	12	0	900
18-20	60.4	4.049	900	0	899	72	0	0	900
21-23	57.2	3.692	900	0	884	11	0	0	900
ALL HOURS	58.7	5.318	7199	0	6909	536	27	0	7199

MONTH: OCT

00-02	50.6	4.798	930	0	544	0	0	0	930
03-05	49.2	5.010	930	0	427	0	0	0	930
06-08	50.1	5.214	930	0	509	0	0	0	930
09-11	56.2	4.187	930	0	861	0	0	0	930
12-14	59.2	4.081	930	0	920	21	0	0	930
15-17	59.1	4.105	930	0	918	19	0	0	930
18-20	55.2	4.399	930	0	818	0	0	0	930
21-23	52.2	4.565	930	0	676	0	0	0	930
ALL HOURS	54.0	5.885	7440	0	5673	40	0	0	7440

E - 5 - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	44.4	5.836	900	13	174	0	0	0	900
03-05	43.4	6.331	900	37	168	0	0	0	900
06-08	43.3	6.395	900	54	168	0	0	0	900
09-11	48.8	5.332	900	0	412	0	0	0	900
12-14	51.6	4.923	900	0	579	0	0	0	900
15-17	51.4	4.909	900	0	570	0	0	0	900
18-20	47.9	5.090	900	0	350	0	0	0	900
21-23	45.8	5.459	900	3	228	0	0	0	900
ALL HOURS	47.1	6.358	7200	107	2649	0	0	0	7200

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	39.7	6.693	930	118	58	0	0	0	930
03-05	38.9	7.099	930	162	63	0	0	0	930
06-08	38.5	7.319	930	182	59	0	0	0	930
09-11	42.5	6.306	929	48	117	0	0	0	929
12-14	45.8	5.714	930	13	251	0	0	0	930
15-17	45.8	5.598	930	13	254	0	0	0	930
18-20	42.5	5.905	930	43	110	0	0	0	930
21-23	40.7	6.375	930	70	79	0	0	0	930
ALL HOURS	41.8	6.939	7439	649	991	0	0	0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	48.5	7.837	10955	275	5294	16	0	0	10955
03-05	47.2	7.822	10956	466	4708	7	0	0	10956
06-08	48.4	8.818	10954	532	5449	25	0	0	10954
09-11	53.6	8.756	10955	74	7347	442	4	0	10955
12-14	56.6	8.654	10954	17	8399	1476	94	0	10954
15-17	56.8	8.658	10954	13	8430	1530	123	0	10954
18-20	53.7	8.826	10953	58	7304	637	24	0	10953
21-23	50.4	8.099	10953	127	6189	53	2	0	10953
ALL HOURS	51.9	9.156	87634	1562	53120	4186	247	0	87634

E - 5 - 2 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	37.0	6.418	929	61	501	929	0	929
03-05	36.3	6.581	930	86	461	930	0	930
06-08	35.8	6.696	930	113	423	930	0	930
09-11	38.9	5.845	930	21	617	930	0	930
12-14	40.1	6.227	930	36	727	929	0	930
15-17	40.1	6.568	930	42	715	930	0	930
18-20	39.1	6.139	930	37	655	930	0	930
21-23	37.7	6.482	930	43	552	930	0	930
ALL HOURS	38.1	6.610	7439	439	4651	7438	0	7439

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	38.9	7.657	846	65	561	842	0	846
03-05	37.7	7.653	846	72	500	845	0	846
06-08	37.4	7.694	846	79	495	845	0	846
09-11	40.8	7.645	846	53	635	838	0	846
12-14	41.7	8.333	846	59	648	824	0	846
15-17	41.4	8.637	846	61	612	822	0	846
18-20	41.5	8.152	846	52	630	825	0	846
21-23	40.4	7.715	846	58	606	835	0	846
ALL HOURS	40.0	8.137	6768	499	4687	6676	0	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	42.0	6.078	930	17	787	921	0	930
03-05	41.0	6.248	930	20	730	927	0	930
06-08	41.3	6.392	930	26	738	929	0	930
09-11	43.8	6.707	930	26	807	914	0	930
12-14	44.0	7.231	929	30	801	899	0	929
15-17	43.4	7.801	930	40	756	888	0	930
18-20	43.7	7.177	930	27	788	907	0	930
21-23	43.1	6.148	930	19	819	923	0	930
ALL HOURS	42.8	6.881	7439	205	6226	7308	0	7439

MONTH: APR

00-02	43.4	6.788	900	20	766	882	0	900
03-05	42.2	6.602	900	26	731	894	0	900
06-08	43.5	6.778	900	28	761	888	0	900
09-11	45.1	7.478	900	25	787	852	0	900
12-14	44.4	8.536	900	43	733	842	4	900
15-17	43.4	9.253	900	50	694	832	4	900
18-20	44.7	9.000	900	41	742	818	4	900
21-23	44.6	7.445	900	24	781	858	0	900
ALL HOURS	43.9	7.875	7200	257	5995	6866	12	7200

E - 5 - 3 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	45.9	5.270	930	0	883	885	0	930
03-05	45.1	5.096	930	0	884	904	0	930
06-08	46.5	5.165	929	0	892	887	0	929
09-11	46.7	6.097	930	2	868	862	0	930
12-14	45.4	7.246	930	7	803	856	0	930
15-17	44.1	7.868	930	27	761	863	0	930
18-20	46.2	7.432	930	15	826	846	0	930
21-23	47.1	5.662	930	2	890	861	0	930
ALL HOURS	45.9	5.421	7439	53	6807	6964	0	7439

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	49.1	4.773	900	1	888	834	0	900
03-05	48.6	4.654	900	0	885	855	0	900
06-08	50.0	4.655	900	1	888	804	1	900
09-11	50.6	5.300	900	0	886	743	1	900
12-14	49.6	6.465	900	2	865	724	1	900
15-17	48.0	7.463	900	10	829	762	0	900
18-20	49.1	6.864	900	6	850	760	0	900
21-23	49.8	5.393	900	7	883	794	0	900
ALL HOURS	49.3	5.888	7200	27	6974	6276	3	7200

E - 5 - 3 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	50.9	4.055	930	0	930	840	0	930
03-05	50.6	3.836	930	0	930	857	0	930
06-08	51.8	3.826	930	0	930	790	0	930
09-11	53.0	3.747	930	0	930	681	1	930
12-14	52.1	5.018	930	0	929	668	2	930
15-17	49.7	6.275	928	0	908	757	0	928
18-20	51.1	5.717	927	1	910	725	1	927
21-23	51.8	4.074	927	0	927	772	0	927
ALL HOURS	51.4	4.815	7432	1	7394	6090	4	7432

MONTH: AUG

00-02	51.9	3.656	930	0	930	793	2	930
03-05	51.5	3.606	930	0	930	823	0	930
06-08	52.7	3.184	929	0	929	765	0	930
09-11	53.8	3.345	930	0	930	647	0	930
12-14	53.2	4.011	930	0	929	644	0	930
15-17	50.8	5.555	930	0	919	754	2	930
18-20	51.8	4.997	930	0	927	720	3	930
21-23	52.6	3.853	930	0	929	737	3	930
ALL HOURS	52.3	4.270	7439	0	7423	5883	10	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	49.9	5.831	900	3	870	790	3	900
03-05	49.5	5.735	900	3	869	795	3	900
06-08	50.5	5.683	900	1	875	767	0	900
09-11	51.4	5.748	900	6	876	728	2	900
12-14	50.2	6.326	899	3	867	721	0	899
15-17	48.6	6.950	900	4	850	769	0	900
18-20	49.9	6.506	900	2	866	745	1	900
21-23	50.7	5.539	900	3	879	755	1	900
ALL HOURS	50.1	6.139	7199	25	6952	6070	10	7199

MONTH: OCT

00-02	46.2	7.082	930	23	848	883	0	930
03-05	45.4	6.917	930	16	838	886	0	930
06-08	46.4	6.783	930	12	850	884	0	930
09-11	48.4	6.505	930	10	872	853	0	930
12-14	47.7	6.875	930	15	861	853	0	930
15-17	46.4	7.591	930	28	829	863	0	930
18-20	47.2	7.113	930	15	845	856	0	930
21-23	47.0	7.060	930	15	851	868	0	930
ALL HOURS	46.8	7.081	7440	134	6794	6946	0	7440

E - 5 - 3 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	41.4	7.096	900	20	684	882	0	900
03-05	40.6	7.235	900	34	636	884	0	900
06-08	40.7	7.263	900	29	634	882	0	900
09-11	43.8	6.999	900	18	767	872	0	900
12-14	43.7	7.491	900	25	752	870	0	900
15-17	43.4	7.562	900	27	737	874	0	900
18-20	43.2	7.015	900	22	752	882	0	900
21-23	42.4	6.975	900	18	729	882	0	900
ALL HOURS	42.4	7.344	7200	193	5691	7028	0	7200

MONTH: DEC

00-02	37.4	7.882	930	82	541	927	0	930
03-05	36.8	8.009	930	95	488	927	0	930
06-08	36.4	7.971	930	114	460	927	0	930
09-11	39.2	7.663	929	53	619	926	0	930
12-14	40.4	8.051	930	54	682	921	0	930
15-17	40.3	8.150	930	64	692	924	0	930
18-20	39.3	7.897	930	67	633	926	0	930
21-23	38.2	7.834	930	75	571	927	0	930
ALL HOURS	38.5	8.084	7439	604	4686	7405	0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	44.5	8.019	10955	292	9189	10408	5	10955
03-05	43.8	8.111	10956	352	8882	10527	3	10956
06-08	44.4	8.536	10954	403	8875	10298	1	10954
09-11	46.3	8.013	10955	214	9594	9846	4	10955
12-14	46.1	8.172	10954	274	9597	9751	7	10954
15-17	45.0	8.331	10954	353	9302	10038	6	10954
18-20	45.6	8.255	10953	285	9424	9940	9	10953
21-23	45.5	8.060	10953	264	9417	10142	4	10953
ALL HOURS	45.1	8.229	87634	2437	74280	80950	39	87634

B - 5 - 3 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.1	98.6	98.0	96.4	93.1	82.3	40.7	86.1	929
03-05	100.0	100.0	99.6	99.1	98.9	98.0	95.7	85.1	42.5	87.3	930
06-08	100.0	100.0	100.0	99.6	99.1	98.1	95.1	85.6	47.0	87.9	930
09-11	100.0	99.8	99.5	98.8	97.3	93.0	84.4	64.0	26.8	81.5	930
12-14	100.0	99.4	98.0	94.5	87.0	73.3	51.9	34.7	13.1	69.8	930
15-17	100.0	99.0	97.1	91.8	83.5	70.3	50.0	32.0	9.2	68.1	930
18-20	100.0	99.8	98.9	97.7	95.4	89.9	81.4	60.9	21.5	79.4	930
21-23	100.0	99.8	98.4	97.5	97.3	94.9	90.1	78.0	33.4	84.0	930
ALL HOURS	100.0	99.7	98.8	97.2	94.6	89.2	80.2	65.3	29.3	80.5	7439

MONTH: FEB

00-02	100.0	100.0	99.9	98.3	96.3	91.8	84.5	67.4	20.6	80.7	846
03-05	100.0	100.0	100.0	99.1	97.2	92.8	85.1	70.3	24.3	81.8	846
06-08	100.0	100.0	100.0	100.0	98.2	92.9	85.0	69.6	25.5	82.1	846
09-11	100.0	100.0	99.6	96.0	88.9	77.4	55.4	29.1	8.5	70.1	846
12-14	100.0	99.6	95.5	84.6	68.0	45.4	22.1	12.3	3.2	57.5	846
15-17	100.0	99.5	93.0	79.7	57.0	37.8	18.9	10.3	2.7	54.4	846
18-20	100.0	99.9	98.5	94.0	85.3	72.1	52.5	29.6	5.6	68.3	846
21-23	100.0	100.0	99.2	97.4	94.9	88.9	78.6	56.0	15.1	77.8	846
ALL HOURS	100.0	99.9	98.2	93.6	85.7	74.9	60.3	43.1	13.2	71.6	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	99.8	99.5	98.8	96.9	94.5	88.3	61.5	13.1	79.8	930
03-05	100.0	100.0	99.6	99.0	98.4	95.8	90.4	68.6	17.6	81.6	930
06-08	100.0	100.0	99.6	98.7	97.7	94.7	89.1	65.2	16.7	80.9	930
09-11	100.0	99.6	98.2	94.6	88.5	75.3	49.5	22.9	4.8	67.9	930
12-14	100.0	98.8	94.8	85.5	67.7	42.1	20.7	8.8	1.9	56.5	929
15-17	100.0	97.8	89.8	80.0	57.2	36.9	19.6	9.2	1.8	53.7	930
18-20	100.0	99.2	96.6	91.8	83.8	69.7	47.0	22.2	4.5	65.7	930
21-23	100.0	99.7	98.6	97.3	95.5	91.8	79.4	46.9	8.3	76.2	930
ALL HOURS	100.0	99.4	97.1	93.2	85.7	75.1	60.5	38.2	8.6	70.3	7439

MONTH: APR

00-02	100.0	99.9	99.1	96.8	94.3	90.3	76.7	51.6	13.2	76.6	900
03-05	100.0	100.0	99.8	98.0	96.2	92.3	83.2	57.9	18.1	78.9	900
06-08	100.0	100.0	99.8	97.3	93.4	85.8	70.8	44.3	11.6	74.9	900
09-11	100.0	99.4	94.3	85.8	68.4	45.4	20.2	7.2	1.9	56.6	900
12-14	100.0	95.4	82.0	60.7	36.7	16.7	6.9	2.1	.6	44.6	900
15-17	99.9	91.7	74.1	51.1	28.8	14.7	7.4	2.8	1.0	41.8	900
18-20	100.0	96.7	91.0	79.2	64.8	46.3	25.2	9.6	2.2	55.8	900
21-23	100.0	99.7	98.0	95.4	90.4	81.2	61.4	34.4	7.4	71.2	900
ALL HOURS	100.0	97.8	92.3	83.0	71.6	59.1	44.0	26.2	7.0	62.6	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.9	98.8	94.9	88.4	66.9	33.0	7.1	73.3	930
03-05	100.0	100.0	100.0	99.9	96.9	92.0	77.6	48.9	13.1	77.3	930
06-08	100.0	100.0	100.0	97.0	89.1	73.8	47.8	21.9	5.2	68.0	929
09-11	100.0	99.4	91.5	71.0	43.2	16.6	4.6	2.9	1.4	47.5	930
12-14	100.0	92.5	63.4	32.0	11.9	4.9	2.8	1.8	.5	35.7	930
15-17	100.0	83.2	52.9	26.5	10.0	5.1	3.1	1.6	.4	32.7	930
18-20	100.0	95.4	81.3	64.1	44.6	22.9	7.7	2.7	.8	46.4	930
21-23	100.0	100.0	99.6	95.5	87.3	71.4	39.7	15.8	2.5	65.6	930
ALL HOURS	100.0	96.3	86.1	73.1	59.8	46.9	31.3	16.1	3.9	55.8	7439

MONTH: JUN

00-02	100.0	100.0	99.2	97.3	93.1	77.9	52.4	25.9	5.1	69.6	900
03-05	100.0	100.0	99.4	98.8	96.8	89.7	67.2	40.0	10.7	74.7	900
06-08	100.0	99.9	98.7	95.0	84.8	67.9	39.7	17.0	3.2	64.8	900
09-11	100.0	98.0	89.0	67.6	37.0	11.9	3.8	1.3	.3	45.4	900
12-14	99.6	90.0	60.2	26.1	6.4	2.1	.9	.6		33.0	900
15-17	98.7	77.8	48.2	18.9	3.9	1.1	.8	.3	.1	29.4	900
18-20	99.7	91.0	74.4	55.6	29.6	11.2	3.2	.6	.2	41.1	900
21-23	100.0	99.2	97.2	93.0	79.9	55.9	27.8	9.3	1.9	60.9	900
ALL HOURS	99.7	94.5	83.3	69.0	53.9	39.7	24.5	11.9	2.7	52.4	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	97.6	86.3	64.1	33.8	12.2	1.0	63.8	930
03-05	100.0	100.0	100.0	99.5	93.8	79.2	54.9	28.1	5.8	70.3	930
06-08	100.0	100.0	99.6	94.7	82.5	58.2	30.3	10.3	1.6	62.1	930
09-11	100.0	99.8	88.8	62.8	25.4	4.6	1.0			42.8	930
12-14	100.0	91.1	49.8	11.5	2.3					29.8	930
15-17	99.9	74.5	24.9	4.1	1.2					25.0	928
18-20	99.9	92.3	68.6	39.8	14.0	3.3	.2			36.2	927
21-23	100.0	100.0	99.5	91.8	70.8	35.9	12.8	1.8		55.7	927
ALL HOURS	100.0	94.7	78.9	62.7	47.0	30.7	16.6	6.6	1.0	48.2	7432

MONTH: AUG

00-02	100.0	100.0	100.0	97.2	87.2	71.7	48.6	20.5	3.2	67.1	930
03-05	100.0	100.0	100.0	99.2	94.3	82.7	63.1	38.1	10.3	73.0	930
06-08	100.0	100.0	99.8	97.8	90.1	74.6	51.2	24.5	6.9	68.9	929
09-11	100.0	99.8	93.1	74.1	43.1	13.3	2.5	.1		47.0	930
12-14	100.0	94.2	64.3	23.8	2.6	.5	.2	.1	.1	33.0	930
15-17	100.0	81.2	38.5	11.2	2.0	1.3	1.0	.2		28.1	930
18-20	100.0	94.1	74.2	49.7	25.9	8.5	2.2	.2		40.1	930
21-23	100.0	100.0	99.4	91.6	77.0	49.8	22.3	5.2	.4	59.0	930
ALL HOURS	100.0	96.2	83.7	68.1	52.8	37.8	23.9	11.1	2.6	52.0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	99.7	99.0	95.2	84.0	68.1	51.1	33.2	13.2	68.8	900
03-05	100.0	99.7	99.6	97.7	90.9	77.4	60.0	41.0	20.4	73.4	900
06-08	100.0	100.0	99.0	95.8	86.9	72.6	55.8	35.6	16.0	70.6	900
09-11	100.0	98.6	88.1	70.0	47.7	28.0	11.9	5.6	2.1	49.5	900
12-14	100.0	90.1	60.5	34.8	14.9	6.2	2.9	2.1	.8	35.7	899
15-17	100.0	81.7	45.7	25.6	11.6	5.4	2.6	1.6	.4	31.9	900
18-20	100.0	96.1	79.3	58.1	38.4	23.1	11.4	5.2	1.8	45.9	900
21-23	100.0	99.7	97.9	90.0	73.1	55.6	36.1	17.8	6.0	62.1	900
ALL HOURS	100.0	95.7	83.6	70.9	55.9	42.1	29.0	17.8	7.6	54.7	7199

MONTH: OCT

00-02	100.0	100.0	98.3	95.4	91.1	83.7	67.4	43.5	12.7	73.8	930
03-05	100.0	100.0	99.6	97.0	92.9	87.0	76.1	53.1	19.0	77.2	930
06-08	100.0	100.0	99.9	97.3	93.9	86.6	73.9	50.2	18.0	76.5	930
09-11	100.0	99.4	94.4	84.8	66.2	42.8	20.8	8.6	2.2	56.4	930
12-14	100.0	94.6	82.7	55.7	25.8	9.8	5.1	2.9	.3	42.2	930
15-17	99.7	92.2	73.3	45.1	21.4	10.5	4.9	2.4	.9	39.4	930
18-20	100.0	99.0	93.1	83.3	66.2	45.3	22.5	10.5	2.7	56.7	930
21-23	100.0	100.0	98.0	92.9	87.1	78.4	55.4	27.4	6.0	69.0	930
ALL HOURS	100.0	98.1	92.4	81.4	68.1	55.5	40.8	24.8	7.7	61.4	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	99.9	98.9	98.4	97.1	95.6	86.7	65.8	23.1	81.3	900
03-05	100.0	100.0	99.8	98.7	97.9	96.3	90.4	67.3	27.8	82.7	900
06-08	100.0	100.0	100.0	99.2	97.8	96.1	90.4	70.0	31.4	83.6	900
09-11	100.0	99.7	97.8	94.3	89.0	76.9	59.4	36.1	12.7	71.2	900
12-14	100.0	98.0	93.0	85.1	67.6	48.4	29.0	15.7	4.8	58.8	900
15-17	100.0	98.2	91.8	83.0	66.2	49.0	30.0	17.6	4.7	58.4	900
18-20	100.0	99.6	97.9	96.4	90.3	81.3	65.6	39.0	11.1	72.5	900
21-23	100.0	99.8	98.7	97.9	96.6	90.8	80.8	59.2	19.1	79.1	900
ALL HOURS	100.0	99.4	97.2	94.1	87.8	79.3	66.5	46.3	16.8	73.4	7200

MONTH: DEC

00-02	100.0	99.7	99.7	99.1	97.5	95.3	93.0	79.1	43.5	86.2	930
03-05	100.0	99.9	99.8	99.6	98.2	96.2	93.0	82.2	46.1	87.0	930
06-08	100.0	100.0	100.0	99.6	98.4	97.6	94.1	83.2	45.3	87.3	930
09-11	100.0	99.8	99.4	98.4	95.6	91.2	80.3	63.4	29.6	80.9	929
12-14	100.0	99.2	97.8	92.9	85.1	74.9	57.5	39.1	12.4	70.5	930
15-17	100.0	99.4	97.5	92.3	84.8	74.3	58.7	40.1	11.8	70.4	930
18-20	100.0	100.0	98.6	97.7	94.8	91.0	83.2	68.3	26.7	81.1	930
21-23	100.0	99.9	99.5	98.5	96.9	95.1	91.5	79.2	38.4	85.2	930
ALL HOURS	100.0	99.7	99.0	97.3	93.9	89.4	81.4	66.8	31.7	81.1	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	99.9	99.4	97.6	93.1	84.8	70.1	47.9	16.4	75.6	10955
03-05	100.0	100.0	99.8	98.8	96.0	90.0	78.1	56.7	21.3	78.8	10956
06-08	100.0	100.0	99.7	97.7	92.6	83.2	68.5	48.0	19.0	75.6	10954
09-11	100.0	99.4	94.5	83.1	65.7	47.9	32.7	20.1	7.5	59.7	10955
12-14	100.0	95.2	78.4	57.1	39.5	27.0	16.7	10.1	3.2	47.2	10954
15-17	99.8	89.6	68.8	50.6	35.6	25.5	16.5	9.9	2.8	44.4	10954
18-20	100.0	96.9	87.6	75.5	61.0	46.9	33.5	20.7	6.5	57.4	10953
21-23	100.0	99.8	98.6	94.9	87.2	74.1	56.2	35.8	11.6	70.5	10953
ALL HOURS	100.0	97.6	90.8	81.9	71.3	59.9	46.5	31.2	11.0	63.6	87634

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

F - 1 - 1

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1021.5	1019.2	1016.9	1016.1	1014.1	1012.4	1012.1	1012.2	1012.5	1015.8	1018.4	1020.8	1016.0
	SD	5.724	5.341	5.515	3.874	3.283	2.920	2.908	2.686	3.231	3.398	5.105	5.339	5.378
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	1021.5	1019.1	1016.6	1015.9	1014.1	1012.4	1012.3	1012.3	1012.5	1015.8	1018.3	1020.7	1015.9
	SD	5.807	5.394	5.616	3.968	3.332	2.889	2.884	2.679	3.186	3.359	5.226	5.454	5.387
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	1021.8	1019.6	1017.3	1016.8	1015.0	1013.3	1013.4	1013.4	1013.6	1016.7	1018.9	1021.0	1016.7
	SD	5.891	5.431	5.718	4.013	3.345	2.886	2.843	2.630	3.162	3.312	5.346	5.592	5.265
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	1022.9	1020.6	1018.2	1017.3	1015.2	1013.4	1013.6	1013.7	1014.0	1017.4	1019.8	1022.1	1017.3
	SD	5.913	5.523	5.675	4.017	3.381	2.845	2.860	2.639	3.153	3.347	5.376	5.712	5.473
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	1021.3	1019.2	1017.0	1016.2	1014.1	1012.4	1012.5	1012.4	1012.6	1015.8	1018.3	1020.4	1016.0
	SD	5.723	5.527	5.478	3.910	3.399	2.860	2.875	2.723	3.163	3.335	5.174	5.637	5.318
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	1020.4	1017.9	1015.8	1014.8	1012.8	1011.1	1011.0	1010.8	1011.2	1014.6	1017.4	1019.8	1014.8
	SD	5.602	5.433	5.237	3.830	3.427	2.897	2.945	2.802	3.217	3.478	5.122	5.428	5.420
	TOT OBS	310	282	310	299	310	300	309	310	300	310	300	310	3650
1900	MEAN	1020.7	1018.3	1016.0	1014.8	1012.7	1011.1	1010.8	1010.7	1011.2	1014.9	1017.8	1020.2	1014.9
	SD	5.638	5.512	5.127	3.773	3.377	2.928	2.944	2.778	3.202	3.481	5.060	5.253	5.505
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
2200	MEAN	1021.3	1018.9	1016.8	1015.9	1013.9	1012.3	1012.0	1012.0	1012.3	1015.7	1018.4	1020.8	1015.9
	SD	5.700	5.601	5.159	3.759	3.283	2.856	2.885	2.736	3.187	3.454	5.096	5.184	5.359
	TOT OBS	310	282	310	300	309	300	309	310	300	310	299	310	3649
ALL HOURS	MEAN	1021.4	1019.1	1016.8	1016.0	1014.0	1012.3	1012.2	1012.2	1012.5	1015.8	1018.4	1020.7	1015.9
	SD	5.795	5.523	5.489	3.978	3.457	2.995	3.043	2.888	3.322	3.499	5.231	5.490	5.446
	TOT OBS	2480	2256	2480	2399	2479	2400	2477	2480	2400	2480	2399	2480	29210

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.16	30.10	30.03	30.00	29.95	29.89	29.89	29.89	29.90	30.00	30.07	30.14	30.00
	SD	.168	.155	.162	.114	.097	.085	.086	.079	.095	.100	.150	.157	.158
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
0400	MEAN	30.16	30.09	30.02	30.00	29.95	29.90	29.89	29.89	29.90	30.00	30.07	30.14	30.00
	SD	.171	.159	.166	.117	.098	.085	.085	.079	.094	.099	.154	.161	.158
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	30.17	30.11	30.04	30.03	29.97	29.92	29.93	29.93	29.93	30.02	30.09	30.15	30.02
	SD	.173	.160	.168	.118	.098	.085	.084	.077	.093	.098	.158	.165	.154
	TOT OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
1000	MEAN	30.20	30.14	30.07	30.04	29.98	29.93	29.93	29.94	29.95	30.04	30.11	30.18	30.04
	SD	.174	.163	.167	.118	.099	.084	.084	.078	.093	.099	.158	.168	.160
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1300	MEAN	30.16	30.10	30.03	30.01	29.95	29.90	29.90	29.90	29.90	30.00	30.07	30.13	30.00
	SD	.168	.163	.161	.115	.100	.084	.084	.080	.093	.098	.152	.166	.156
	TOT OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
1600	MEAN	30.13	30.06	30.00	29.97	29.91	29.86	29.86	29.85	29.86	29.96	30.04	30.11	29.97
	SD	.165	.160	.155	.113	.101	.085	.087	.082	.094	.102	.151	.160	.159
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
1900	MEAN	30.14	30.07	30.00	29.97	29.91	29.86	29.85	29.85	29.86	29.97	30.05	30.12	29.97
	SD	.166	.162	.151	.111	.099	.086	.087	.082	.094	.102	.149	.154	.161
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
2200	MEAN	30.16	30.09	30.03	30.00	29.94	29.89	29.89	29.88	29.89	29.99	30.07	30.14	30.00
	SD	.168	.165	.152	.111	.097	.084	.085	.081	.094	.102	.151	.152	.157
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
ALL HOURS	MEAN	30.16	30.09	30.03	30.00	29.94	29.89	29.89	29.89	29.90	30.00	30.07	30.14	30.00
	SD	.171	.162	.162	.117	.102	.088	.090	.085	.098	.103	.154	.162	.160
	TOT OBS	2479	2255	2480	2400	2480	2399	2477	2480	2400	2479	2400	2480	29209

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.05	29.99	29.92	29.89	29.84	29.79	29.78	29.78	29.79	29.89	29.96	30.03	29.89
	SD	.168	.155	.162	.114	.097	.085	.086	.079	.095	.100	.150	.157	.158
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
0400	MEAN	30.05	29.98	29.91	29.89	29.84	29.79	29.78	29.78	29.79	29.89	29.96	30.03	29.89
	SD	.171	.159	.166	.117	.098	.085	.085	.079	.094	.099	.154	.161	.158
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	30.06	30.00	29.93	29.92	29.86	29.82	29.82	29.82	29.82	29.91	29.98	30.04	29.91
	SD	.173	.160	.168	.118	.098	.085	.084	.077	.093	.098	.158	.165	.154
	TOT OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
1000	MEAN	30.09	30.03	29.96	29.93	29.87	29.82	29.82	29.83	29.84	29.93	30.00	30.07	29.93
	SD	.174	.163	.167	.118	.099	.084	.084	.078	.093	.099	.158	.168	.160
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1300	MEAN	30.05	29.99	29.92	29.90	29.84	29.79	29.79	29.79	29.79	29.89	29.96	30.02	29.89
	SD	.168	.163	.162	.115	.100	.084	.085	.080	.093	.098	.152	.166	.156
	TOT OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
1600	MEAN	30.02	29.95	29.89	29.86	29.80	29.75	29.75	29.74	29.75	29.85	29.93	30.00	29.86
	SD	.165	.160	.155	.113	.101	.085	.087	.082	.094	.102	.151	.160	.159
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
1900	MEAN	30.03	29.96	29.89	29.86	29.80	29.75	29.74	29.74	29.75	29.86	29.94	30.01	29.86
	SD	.166	.162	.151	.111	.099	.086	.086	.082	.094	.102	.149	.154	.161
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
2200	MEAN	30.05	29.98	29.92	29.89	29.83	29.78	29.78	29.77	29.78	29.88	29.96	30.03	29.89
	SD	.168	.165	.152	.111	.097	.084	.085	.080	.094	.102	.151	.152	.157
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
ALL HOURS	MEAN	30.05	29.98	29.92	29.89	29.83	29.78	29.78	29.78	29.79	29.89	29.96	30.03	29.89
	SD	.170	.162	.162	.117	.102	.088	.090	.085	.098	.103	.154	.162	.160
	TOT OBS	2479	2255	2480	2400	2480	2399	2477	2480	2400	2479	2400	2480	29209

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRR	TTTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	GG
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRR	TT	GG GG
PP	AAAAAAAAA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	1.7	.5	.1	930	1.6	.6	.1	930	1.6	.4		930	3.4	1.0	.2	930
CATEGORY B	3.2	1.9	.6	1070	3.3	1.4	.5	1104	2.7	1.9	.4	1245	6.8	4.6	1.8	1148

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	5.7	2.4		930	5.2	1.3	.2	930	1.7	.5	.2	930	1.5	.5	.1	930
CATEGORY B	9.2	7.0	2.3	1069	7.2	5.5	1.9	1040	5.0	3.0	.6	1032	3.9	2.3	.6	1047

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	3.5	1.1	.1	4650	2.8	.9	.1	7440
CATEGORY B	6.1	4.3	1.4	5534	5.1	3.4	1.1	8755

G - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	3.9	2.2		846	3.5	1.9	.1	846	5.1	2.6		846	8.3	2.8	.4	846
CATEGORY B	7.1	5.2	2.8	918	7.5	4.2	1.6	942	8.7	6.7	1.8	1017	13.2	10.3	3.7	1007

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	9.7	4.1	.8	846	8.4	3.8	.2	846	3.9	1.5	.1	846	4.0	2.4	.2	846
CATEGORY B	18.0	12.9	5.0	921	15.9	11.5	4.7	929	6.9	5.9	2.4	893	6.8	5.5	3.4	907

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	7.1	3.0	.3	4230	5.9	2.7	.2	6768
CATEGORY B	12.5	9.5	3.5	4767	10.6	7.8	3.2	7534

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	2.0	1.4	.4	930	3.4	1.7	.6	930	5.1	2.3	.5	930	8.7	4.6	.5	930
CATEGORY B	6.8	4.3	1.9	1008	7.5	5.3	2.3	1051	9.0	7.2	3.3	1118	16.3	11.7	5.6	1059

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	9.7	4.5	.9	930	7.0	2.7	.2	930	2.7	1.4		930	2.7	1.3		930
CATEGORY B	16.2	11.9	4.9	1015	14.1	9.8	3.6	1032	5.3	3.3	1.0	1003	6.0	4.2	2.0	1000

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	6.6	3.1	.4	4650	5.2	2.5	.4	7440
CATEGORY B	12.2	8.8	3.7	5227	10.2	7.3	3.1	8286

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	1.0			900	.6	.2		900	1.9	.6		900	4.6	1.3		900
CATEGORY B	1.9	1.1	.1	932	2.1	1.5		960	4.8	2.7	.6	981	10.6	5.3	1.7	955

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	5.1	1.7		900	4.3	1.1		900	1.6	.3		900	.6	.3		900
CATEGORY B	12.6	7.7	1.9	932	10.0	6.0	1.1	944	3.3	2.4	.2	926	1.4	1.1	.3	925

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	3.5	1.0		4500	2.4	.7		7200
CATEGORY B	8.2	4.8	1.1	4738	5.8	3.5	.7	7555

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A				930				930	.1			930	.4			930
CATEGORY B	.4			951	.5	.1		956	2.2	.5		964	5.8	1.8		966

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.9			930	.6			930	.1			930				930
CATEGORY B	7.6	3.0		955	5.7	1.9		964	.8	.1		963	.2	.1		955

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.4			4650	.3			7440
CATEGORY B	4.4	1.5		4812	2.9	.9		7674

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.1			900	.2			900	.2			900	.7			900
CATEGORY B	.5	.2		916	.9	.3		924	1.4	.7		936	2.7	1.0		913

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.4			900	.4			900	.1			900	.2			900
CATEGORY B	4.2	1.3		908	3.3	1.5		922	.5			917	.8	.5	.1	912

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.4			4500	.3			7200
CATEGORY B	2.4	.9		4596	1.8	.7	.0	7348

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A				930				930				930	.1			930
CATEGORY B	.1			930				939	.3			944	.3	.2		932

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A				930	.1			928				927				927
CATEGORY B	.9	.1		930	.6			934	.1			930	.2			929

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.0			4645	.0			7432
CATEGORY B	.4	.1		4670	.3	.0		7468

G - 2 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A				930				930				930	.1			930
CATEGORY B				937				950				954	.5	.1		933

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.1	.1		932	.3	.2		935				932				936

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.0			4650	.0			7440
CATEGORY B	.2	.1		4686	.1	.1		7509

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A				900				900	.4	.1		900	.9	.1		900
CATEGORY B				908	.2	.2		916	1.4	.9	.3	941	4.1	1.7	.1	924

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	1.0	.1		900	1.1	.1		900	.1			900				900
CATEGORY B	4.7	2.1	.4	922	2.6	1.4	.3	921	.5	.2		920				910

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.7	.1		4500	.4	.1		7200
CATEGORY B	2.7	1.3	.2	4628	1.7	.8	.1	7362

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	.4			930	.4			930	.6			930	1.4	.4		930
CATEGORY B	1.0	.7	.1	956	1.3	.9	.2	979	1.7	1.0	.3	994	3.9	2.1	.5	969

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	2.2	.8	.2	930	1.7	1.1	.1	930	.5	.2		930	.1			930
CATEGORY B	6.0	3.4	.9	951	5.2	2.9	.8	957	1.2	.9	.1	949	.7	.2		950

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	1.3	.5	.1	4650	.9	.3	.0	7440
CATEGORY B	3.6	2.1	.5	4820	2.6	1.5	.4	7705

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	2.1	.8	.1	900	2.1	1.0	.1	900	2.3	.9	.1	900	3.8	1.8	.2	900
CATEGORY B	4.6	3.1	.7	959	4.3	2.9	.8	991	5.4	3.4	1.0	1063	10.6	5.6	1.8	1017

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	5.2	2.3	.2	900	4.1	1.8	.2	900	2.3	1.1	.2	900	1.0	.1		900
CATEGORY B	12.1	8.3	2.1	964	7.9	5.8	2.3	938	5.2	3.0	1.2	931	4.1	2.8	.3	958

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	3.6	1.6	.2	4500	2.9	1.2	.2	7200
CATEGORY B	8.2	5.2	1.7	4913	6.8	4.4	1.3	7821

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	1.5	.5		930	2.8	1.1		930	3.7	1.7	.8	930	6.3	4.0	.6	930
CATEGORY B	4.1	3.1	.6	1048	5.5	3.5	1.0	1069	6.6	4.3	1.6	1168	10.2	7.6	3.8	1118

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	7.4	4.3	.2	930	4.7	1.8	.1	930	2.7	1.0		930	1.2	.3		930
CATEGORY B	13.6	10.3	4.4	1056	9.4	6.2	2.2	1040	5.1	4.0	1.3	1031	5.1	2.9	.3	1046

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	5.0	2.6	.3	4650	3.8	1.8	.2	7440
CATEGORY B	9.0	6.4	2.6	5413	7.5	5.2	1.9	8576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 038-218

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: AUG 81 - JUL 91
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	1.0	.4	.1	10956	1.2	.5	.1	10956	1.7	.7	.1	10956	3.2	1.3	.2	10956
CATEGORY B	2.5	1.7	.6	11533	2.9	1.8	.6	11781	3.8	2.6	.8	12325	7.3	4.5	1.7	11941

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	3.9	1.7	.2	10956	3.1	1.1	.1	10954	1.3	.5	.0	10953	.9	.4	.0	10953
CATEGORY B	8.9	5.8	1.9	11555	6.9	4.5	1.4	11556	2.9	1.9	.6	11427	2.5	1.7	.6	11475

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE14	GE18	GE25	OBS	GE14	GE18	GE25	OBS
CATEGORY A	2.6	1.1	.1	54775	2.1	.8	.1	87640
CATEGORY B	6.0	3.8	1.3	58804	4.7	3.0	1.0	93593

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	HHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

B - 1 - 1

PART II

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) FOR (IF AVAILABLE). THE 30-YEAR FOR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR FOR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: JAN 47 - JUL 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1947	698	372	265	123	17	5	****	1	4	90	417	584	2576
1948	464	497	443	302	137	16	4		22	70	337	657	2949
1949	781	509	347	74	42	1			1	119	212	603	2689
1950	649	362	349	121	83	14		1	7	61	187	421	2255
1951	555	381	337	178	71	3	1		3	85	289	563	2466
1952	597	415	419	150	47	27			8	13	****	511	2187
1953	387	364	341	192	137	26		3		81	285	482	2298
1954	538	421	410	124	26	25		1	3	71	353	623	2595
1955	679	452	308	315	71	12	1		4	42	350	430	2664
1956	498	486	307	173	63	5				118	273	566	2489
1957	615	323	290	151	58				2	79	348	558	2424
1958	527	266	393	158	26	2				11	272	385	2040
1959	438	396	195	35	41				2	25	255	521	1908
1960	532	374	239	148	61				1	55	360	574	2344
1961	675	355	374	181	108	2			7	98	343	630	2773
1962	728	495	433	124	90	8			2	79	261	541	2761
1963	722	195	358	290	93	5		1		85	419	695	2863
1964	606	447	391	224	113	24	3	5	17	35	395	403	2663
1965	558	390	318	202	80	17			24	37	313	725	2664
1966	582	460	311	104	41	16				35	230	514	2293
1967	548	450	399	425	85	30				13	241	637	2828
1968	653	284	279	166	85	3		2	4	81	326	621	2504
1969	616	473	332	194	19					99	257	436	2426
1970	413	298	230	199	52	8				134	282	549	2165
1973	632	391	460	182	48	8			4	149	460	548	2882
1974	517	416	279	202	56		2			37	295	543	2347

H - 2 - 1

1975		626	358	356	306	52	5		1		128	363	527	2722
1976		502	356	322	214		3		2	1	51	284	600	2335
1977		694	382	427	89	172	7			7	57	325	451	2611
1978		456	367	216	263	28				8	47	424	710	2519
1979		617	468	317	241	54	3				93	373	521	2687
1980		531	376	398	212	97	5				102	329	551	2601
1981		521	371	386	182	52				10	166	274	470	2432
1982		682	407	419	272	51	23	1		14	86	497	600	3052
1983		679	409	358	307	93	2			1	35	399	482	2765
1984		577	479	281	256	43	17				114	337	618	2722
1985		703	407	473	104	73	9		3	34	88	439	687	3020
1986		433	324	248	201	57				50	48	257	541	2159
1987		598	363	334	89	46		1		2	18	356	549	2356
1988		534	340	239	160	112	29		1	3	44	342	584	2388
1989		635	489	285	114	60	5			9	135	368	694	2794
1990		602	480	265	85	70	6				47	390	775	2720
1991		575	285	417	197	108	4							1586
.....														
MEAN		585	393	338	186	67	8	0	0	6	72	329	563	
SD		92.00	69.99	70.40	78.27	35.07	9.27	.84	1.06	10.16	39.15	69.64	90.33	
****SPL 30YR SUMMATION (1951 -1980)****														
MEAN		572	387	337	194	66	8	0	0	3	69	322	550	
SD		89.52	70.36	68.99	77.39	37.19	9.53	.70	1.17	5.56	37.87	59.33	86.27	

H - 2 - 1A

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724835

STATION NAME: MATHER AFB/SACRAMENTO CA
LST TO UTC: + 8

PERIOD OF RECORD: JAN 47 - JUL 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1947				43	174	243	****	268	327	37			1092
1948					19	186	325	292	248	52			1122
1949				35	81	312	358	276	264	74	6		1406
1950			2	39	146	194	418	415	240	75	7		1536
1951				22	125	169	299	327	247	34			1223
1952			9	14	139	92	398	361	331	127	****		1471
1953				15	14	146	454	259	296	58	2		1244
1954				56	91	199	425	224	166	37			1198
1955			1		120	185	304	402	273	60	2		1347
1956				15	80	261	355	288	250	52			1301
1957			5	32	59	335	402	317	252	7			1409
1958				17	124	196	360	512	338	148	4		1699
1959				34	66	323	468	345	196	120			1552
1960			7	20	83	372	453	335	230	27	3		1530
1961				19	5	328	424	395	193	127			1491
1962				24	41	217	340	305	187	19	2		1135
1963					41	155	276	283	246	34			1035
1964				15	38	163	328	326	145	141			1156
1965				34	80	101	310	338	95	70			1028
1966			3	36	80	271	310	442	257	67	8		1474
1967					125	194	458	521	389	75	3		1765
1968			1	27	69	272	362	247	233	22			1233
1969			2	5	181	223	509	471	303	23	1		1718
1970			4	3	158	237	466	408	286	39			1601
1973				12	127	265	291	225	114	12			1046
1974				8	100	296	394	415	355	153			1721

H - 3 - 1

1975			183	211	338	338	349	58	1477
1976	2	13	176	287	412	280	230	64	1464
1977		13	25	283	352	340	172	57	1242
1978			115	238	396	390	176	108	1423
1979			119	243	405	305	279	67	1418
1980		1	34	169	450	324	224	134	1336
1981		34	98	362	375	314	221	3	1407
1982		2	73	103	297	301	165	30	971
1983			89	178	264	396	271	30	1228
1984		1	141	196	431	382	385	54	1590
1985		24	47	315	377	241	105	50	1159
1986	2	11	131	262	353	363	107	60	1289
1987		36	154	255	238	307	197	88	1275
1988	2	13	60	256	467	288	246	81	1413
1989		38	81	207	388	319	172	14	1219
1990		27	70	232	431	390	272	73	1495
1991		3	44	151	349				547
MEAN		0	17	93	229	376	339	238	63
SD		1.98	14.95	48.29	68.30	64.20	70.96	74.05	40.15
*****SPL 30YR SUMMATION (1951 -1980)*****									
MEAN		1	15	92	229	383	347	243	69
SD		2.35	14.01	50.47	69.94	63.59	77.84	73.26	44.90

H - 3 - 1A

A W S CLIMATIC BRIEF FEB 92	STATION NAME: MATHER AFB/SACRAMENTO CA												FIELD ELEV: 96 FT		
	LATITUDE/LONGITUDE: 38 33 N 121 18 W												STATION MSC: 724835		
	BOURLY OBS POR: AUG 81 - JUL 91												CALL SIGN: KMHR		
	SUMMARY OF DAY POR: SEP 41-JAN 46, MAY 46-JUL 91												SUPERSEDES: OCT 87		
	HOURS SUMMARIZED: 0000 - 2300 LST														
	LST TO UTC: +08														
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
EXTRM MAX TEMP (F)	72	77	88	93	102	111	112	113	111	101	85	72	113	52	
MEAN MAX TEMP (F)	53	59	63	71	79	87	93	91	87	77	63	53	73	52	
MEAN TEMP (F)	46	51	54	59	65	72	77	75	72	64	53	46	61	52	
MEAN MIN TEMP (F)	38	41	44	47	51	57	60	60	57	51	44	39	49	52	
EXTRM MIN TEMP (F)	21	23	25	34	37	41	49	50	44	31	24	15	15	52	
D/W TEMP GE 100 (F)	0	0	0	0	1	3	5	4	2	#	0	0	15	52	
D/W TEMP GE 90 (F)	0	0	0	1	4	11	22	19	12	2	0	0	71	52	
D/W TEMP LT 40 (F)	19	11	6	2	#	0	0	0	0	1	8	17	64	52	
D/W TEMP LT 33 (F)	7	2	1	0	0	0	0	0	0	#	1	5	16	52	
HEATING DEGREE DAYS	585	393	338	186	67	8	#	#	6	72	329	563	2547	45	
COOLING DEGREE DAYS	0	0	#	17	93	229	376	339	238	63	#	0	1355	45	
MEAN DEWPOINT TEMP (F)	38	40	42	43	45	49	51	52	50	46	42	38	45	10	
MEAN WET BULB TEMP (F)	41	45	48	51	54	58	61	61	58	54	47	41	51	10	
99.95% WCPA (FT)	400	450	500	400	400	400	400	400	400	350	450	400	500	10	
MEAN REL HUM 07 LST(%)	87.9	82.1	80.9	74.9	68.0	64.8	62.1	68.9	70.6	76.5	83.6	87.3	75.6	10	
MEAN REL HUM 13 LST(%)	69.8	57.5	56.5	44.6	35.7	33.0	29.8	33.0	35.7	42.2	58.8	70.5	47.2	10	
MAX 24HR PRECIP (IN)	2.64	2.98	1.96	4.34	1.41	.79	1.33	.99	1.87	4.36	2.61	2.18	4.36	52	
MAX PRECIP (IN)	11.57	9.88	8.84	4.74	2.56	.80	1.35	1.01	2.32	8.66	7.79	7.96	40.30	52	
MEAN PRECIP (IN)	3.51	2.91	2.93	1.58	.49	.16	.06	.08	.32	1.10	2.62	2.85	18.69	52	
MIN PRECIP (IN)	.34	.48	.05	#	.00	.00	.00	.00	.00	.00	#	#	6.71	52	
D/W PRECIP GE .01 (IN)	10	8	9	5	3	1	1	1	1	4	7	9	59	52	
D/W PRECIP GT .50 (IN)	3	2	2	1	1	#	#	#	1	1	2	2	15	52	
MAX 24HR SNFL (IN)	#	#	#	0	0	0	0	0	0	#	#	1.5	1.5	46	
MAX SNFL (IN)	#	#	#	0	0	0	0	0	0	#	#	1.8	1.8	46	
MEAN SNFL (IN)	#	#	#	0	0	0	0	0	0	#	#	#	#	46	
D/W SNFL GE .1 (IN)	0	0	0	0	0	0	0	0	0	0	0	#	#	46	
D/W SNFL GE 1.5 (IN)	0	0	0	0	0	0	0	0	0	0	0	#	#	46	
MAX DLY SMO DEPTH (IN)	0	0	0	0	0	0	0	0	0	0	0	#	#	46	
PRVING WND DIR (DEG)	\$14-16	\$14-16	\$14-16	20-22	20-22	20-22	20-22	20-22	\$20-22	\$11-13	\$14-16	\$14-16	\$14-16	10	
MEAN WND SPD (KTS)	3	5	5	5	5	5	5	5	4	3	4	4	4	10	
MAX WND SPD (KTS)	61	62	62	53	43	45	33	32	50	63	56	64	64	47	
SKY COVER GT 5/10 (%)	61.1	48.5	51.8	43.3	29.9	20.7	11.0	11.6	17.8	26.3	49.7	59.3	35.8	10	
D/W THUNDERSTORMS	1	1	1	1	1	1	1	1	1	1	1	1	12	52	
D/W FOG (VSBY LT 7 MI)	20	12	7	4	2	1	1	1	2	7	15	20	92	52	
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	35.9	11.0	3.8	2.7	1.8	1.3	.6	.4	.9	2.0	13.1	36.9	9.2	10
	03 - 05	39.4	13.4	7.2	3.8	3.0	4.7	1.0	1.6	1.4	4.6	16.7	41.6	11.5	10
	06 - 08	49.8	16.8	11.4	9.3	5.1	6.6	2.5	2.0	4.0	8.7	24.3	45.3	15.5	10
	09 - 11	45.1	13.6	10.2	5.1	2.9	2.0	.3	.6	1.7	5.5	20.8	43.8	12.6	10
	12 - 14	31.5	7.7	6.7	1.1	.6	.6	.0	.0	1.1	1.7	14.6	33.8	8.3	10
	15 - 17	24.8	5.4	3.7	.9	.0	.2	.0	.0	.6	.6	10.3	29.1	6.3	10
	18 - 20	25.7	5.9	2.4	1.4	.3	.3	.0	.0	.6	.8	8.8	29.9	6.3	10
	21 - 23	28.8	7.7	2.6	1.9	1.0	.2	.0	.3	.4	1.4	9.6	34.9	7.4	10
	ALL	35.1	10.2	6.0	3.3	1.8	2.0	.6	.6	1.3	3.2	14.8	36.9	9.7	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	32.6	8.3	2.9	1.1	.3	.9	.3	.3	.6	1.8	10.3	33.5	7.7	10
	03 - 05	36.3	9.9	4.9	2.3	.8	3.7	.5	.9	.9	3.4	13.2	37.4	9.5	10
	06 - 08	46.9	13.4	8.3	5.9	2.4	3.9	1.4	1.2	2.9	7.3	21.1	41.6	13.0	10
	09 - 11	41.4	11.3	6.0	1.9	.8	.7	.0	.1	1.1	2.9	18.2	40.6	10.4	10
	12 - 14	27.8	5.0	1.7	.6	.2	.1	.0	.0	.7	.6	11.3	29.8	6.5	10
	15 - 17	22.5	2.7	.9	.3	.0	.0	.0	.0	.3	.2	8.7	26.1	5.1	10
	18 - 20	23.2	3.5	.8	.6	.0	.0	.0	.0	.6	.5	6.0	24.8	5.0	10
	21 - 23	25.6	5.4	1.8	.7	.0	.1	.0	.0	.3	1.1	6.4	30.0	5.9	10
	ALL	32.0	7.4	3.4	1.7	.6	1.2	.3	.3	.9	2.2	11.9	33.0	8.0	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	27.5	4.7	2.2	.2	.0	.2	.0	.1	.0	.9	7.2	27.5	5.9	10
	03 - 05	31.4	6.4	3.4	1.3	.0	.6	.0	.3	.6	1.6	10.0	32.8	7.4	10
	06 - 08	39.3	9.7	5.5	3.8	.2	1.0	.6	.2	2.0	4.2	13.8	35.2	9.6	10
	09 - 11	32.4	8.6	3.8	.7	.1	.0	.0	.1	.4	1.8	12.8	32.9	7.8	10
	12 - 14	19.1	2.4	1.0	.6	.0	.0	.0	.0	.3	.3	5.9	20.5	4.2	10
	15 - 17	14.3	.6	.1	.2	.0	.0	.0	.0	.3	.0	3.3	16.6	2.9	10
	18 - 20	15.6	1.8	.1	.2	.0	.0	.0	.0	.2	.5	2.9	17.2	3.2	10
	21 - 23	20.8	3.0	1.1	.3	.0	.0	.0	.0	.1	.8	3.8	22.7	4.4	10
	ALL	25.0	4.6	2.1	.9	.0	.2	.1	.1	.5	1.3	7.5	25.7	5.7	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	13.2	3.1	.6	.0	.0	.0	.0	.0	.0	.3	3.6	11.9	2.7	10
	03 - 05	15.5	3.3	.5	.1	.0	.0	.0	.0	.0	.4	5.1	13.5	3.2	10
	06 - 08	14.4	3.5	1.5	.3	.0	.0	.0	.2	.0	1.2	5.1	15.7	3.5	10
	09 - 11	7.5	1.9	.1	.0	.0	.0	.0	.0	.0	.1	1.1	9.2	1.7	10
	12 - 14	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.1	10
	15 - 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.1	10
	18 - 20	2.5	.6	.0	.0	.0	.0	.0	.0	.0	.1	.0	5.9	.8	10
	21 - 23	7.1	1.4	.0	.0	.0	.0	.0	.0	.0	.2	.7	9.9	1.6	10
	ALL	7.6	1.7	.3	.1	.0	.0	.0	.0	.0	.3	1.9	8.6	1.7	10

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @

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